

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Beluga Unit

8. Lease Name and Well No.

Beluga Federal Q-7-9-17

9. API Well No.

43-013-33924

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 7, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NW/SW (LOT #3) 2114' FSL 779' FWL

At proposed prod. zone 1325' FSL 1385' FWL ESW

14. Distance in miles and direction from nearest town or post office\*

(Sept) Approximately 17.6 miles south of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 1315' f/lease, 1315' f/unit

16. No. of Acres in lease

1,188.92

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1431'

19. Proposed Depth

6090'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5380' GL

22. Approximate date work will start\*

2nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

2/29/08

Title

Regulatory Specialist

Approved by (Signature)

property or lease

(Also to nearest

Title

18. Distance from proposed

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any)

Approx. 1431'

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5380' GL

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5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Surf  
580629X  
44328514  
40.043934  
-110.054848

Federal Approval of this  
Action is Necessary

BML  
580817X  
44326134  
40.041770  
-110.052679

RECEIVED

MAR 06 2008

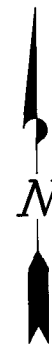
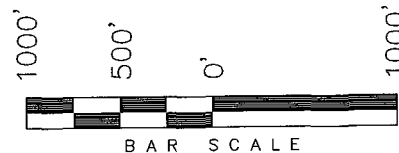
DIV. OF OIL, GAS & MINING

***T9S, R17E, S.L.B.&M.***

N89°55'E - 78.50 (G.L.O.)

*NEWFIELD PRODUCTION COMPANY*

WELL LOCATION, BELUGA UNIT Q-7-9-17,  
LOCATED AS SHOWN IN THE NW 1/4 SW  
1/4 (LOT 3) OF SECTION 7, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 12237  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED:  
11-28-07

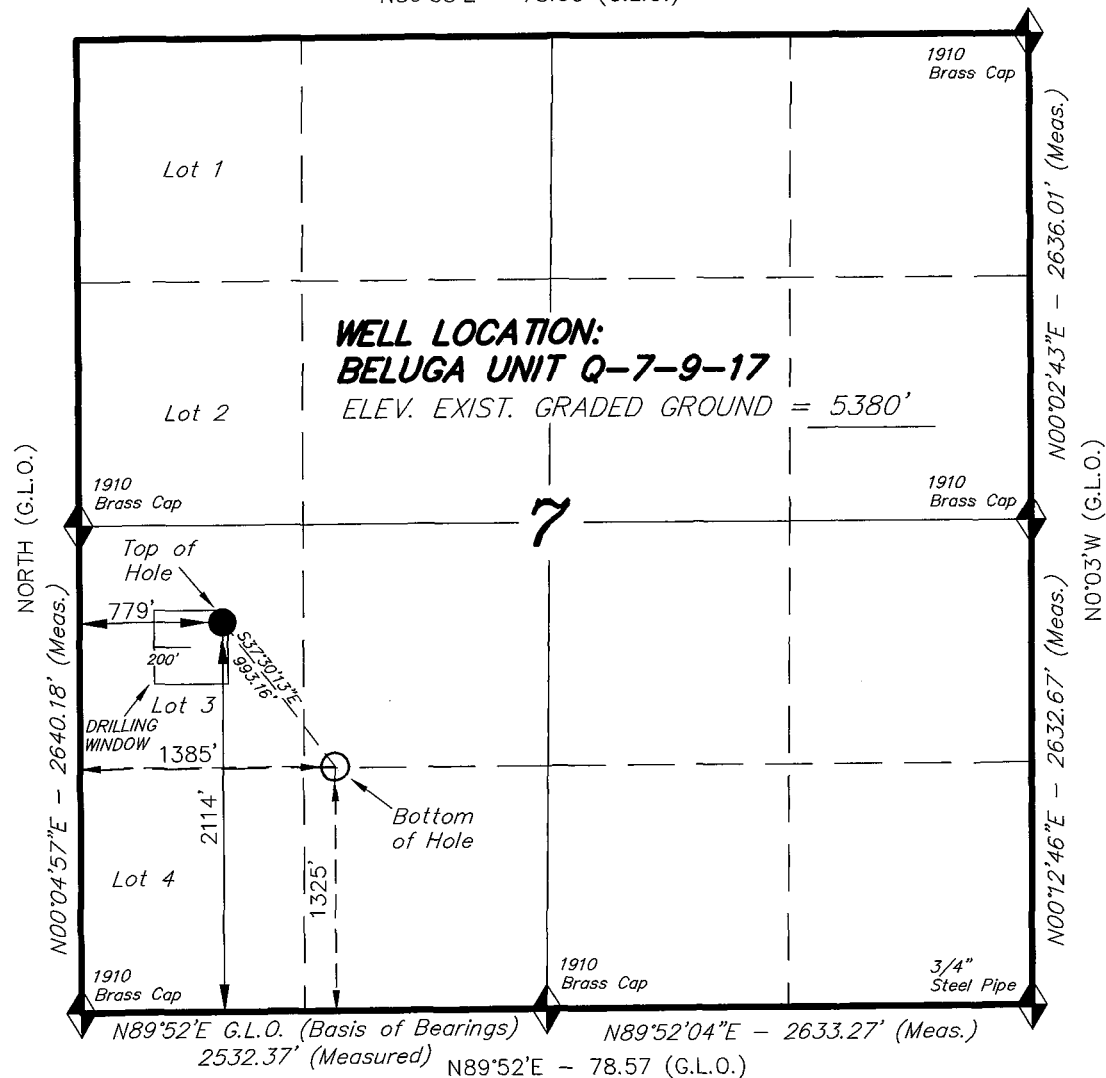
SURVEYED BY: T.H.

DATE DRAWN:  
12-10-07

DRAWN BY: F.T.M.

REVISED:  
02-11-08 L.C.S.

SCALE: 1" = 1000'



 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**BELUGA UNIT Q-7-9-17**  
**(Surface Location) NAD 83**  
**LATITUDE = 40° 02' 38.02"**  
**LONGITUDE = 110° 03' 20.04"**

DATE SURVEYED: 11-28-07	SURVEYED BY: T.H.
DATE DRAWN: 12-10-07	DRAWN BY: F.T.M.
REVISED: 02-11-08 L.C.S.	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL #Q-7-9-17  
AT SURFACE: NW/SW SECTION 7, T9S, R17E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1372'
Green River	1372'
Wasatch	6090'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1372' – 6090' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL #Q-7-9-17  
AT SURFACE: NW/SW SECTION 7, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Beluga Federal #Q-7-9-17 located in the NW 1/4 SW 1/4 Section 7, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.5 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 3.3 miles  $\pm$  to it's junction with an existing road to the north; proceed northerly - 1.4 miles  $\pm$  to the existing Beluga 12-7-9-17 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Beluga 12-7-9-17 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Beluga 12-7-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Beluga Federal Q-7-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Beluga Federal Q-7-9-17 will be drilled off of the existing Beluga 12-7-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrel Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

**Details of the On-Site Inspection**

The proposed Beluga Federal Q-7-9-17 was on-sited on 1/15/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and the ground was covered by snow.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

**Representative**

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

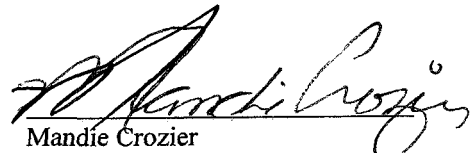
**Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-7-9-17 NW/SW Section 7, Township 9S, Range 17E: Lease UTU-72106 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/29/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: Beluga Unit  
Well: Beluga Unit Q-7-9-17  
Wellbore: OH  
Design: Plan #1

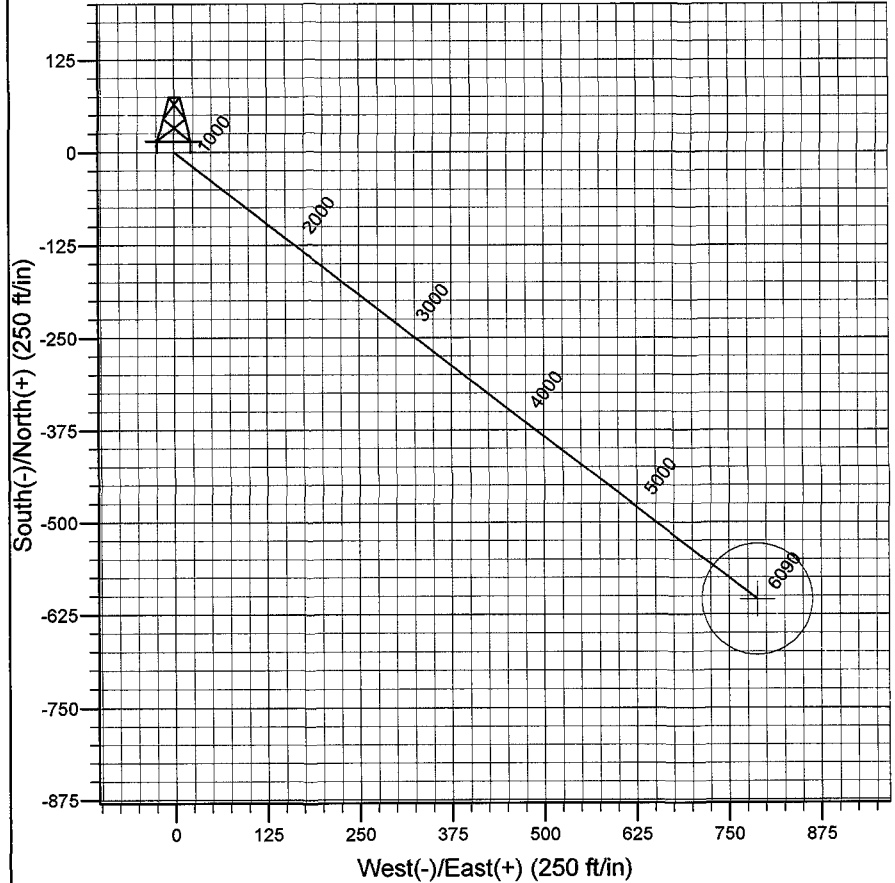
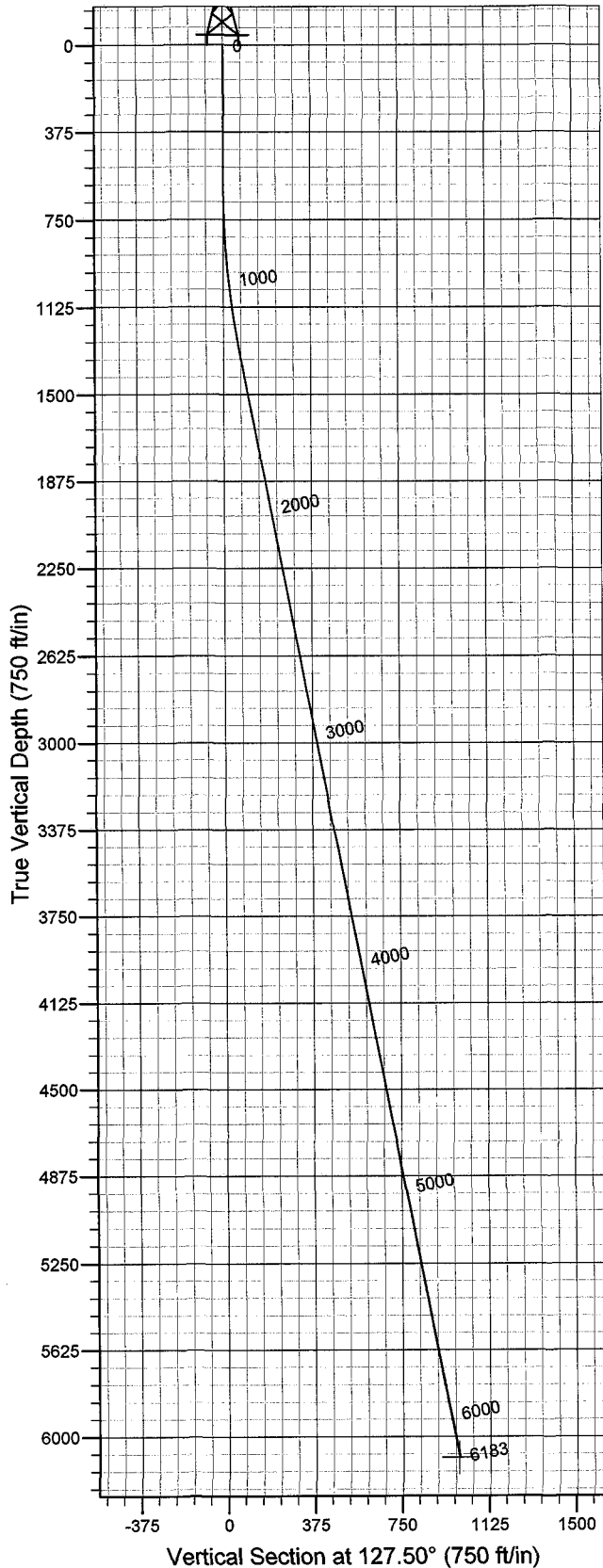


Azimuths to True North  
Magnetic North: 11.72°

Magnetic Field  
Strength: 52624.0snT  
Dip Angle: 65.89°  
Date: 2008-02-17  
Model: IGRF2005-10

WELL DETAILS: Beluga Unit Q-7-9-17

GL 5380' & RKB 12' @ 5392.00ft (NDSI 2) 5380.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 7187991.81 2044782.50 40° 2' 38.020 N 110° 3' 20.040 W



Plan: Plan #1 (Beluga Unit Q-7-9-17/OH)

Created By: Julie Cruse Date: 2008-02-17

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True North

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
	31331.40	10.97	127.50	1326.94	-42.50	55.39	1.50	127.50	69.81	
	46183.13	10.97	127.50	6090.00	-604.60	787.93	0.00	0.00	993.16	BU Q-7-9-17 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Beluga Unit**

**Beluga Unit Q-7-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 February, 2008**



# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Beluga Unit  
**Well:** Beluga Unit Q-7-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Beluga Unit Q-7-9-17  
**TVD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**MD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Beluga Unit,		
<b>Site Position:</b>		<b>Northing:</b>	7,186,685.53 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,052,488.32 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 2' 23.870 N
		<b>Longitude:</b>	110° 1' 41.240 W
		<b>Grid Convergence:</b>	0.94 °

<b>Well</b>	Beluga Unit Q-7-9-17, 2114' FSL 779' FWL Sec 7 T9S R17E		
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b> 7,187,991.81 ft
	+E/-W	0.00 ft	<b>Easting:</b> 2,044,782.50 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 2' 38.020 N
		<b>Longitude:</b>	110° 3' 20.040 W
		<b>Ground Level:</b>	5,380.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-02-17	11.72	65.89	52,624

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	127.50

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,331.40	10.97	127.50	1,326.94	-42.50	55.39	1.50	1.50	0.00	127.50	
6,183.13	10.97	127.50	6,090.00	-604.60	787.93	0.00	0.00	0.00	0.00	BU Q-7-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Beluga Unit  
**Well:** Beluga Unit Q-7-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Beluga Unit Q-7-9-17  
**TVD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**MD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	127.50	699.99	-0.80	1.04	1.31	1.50	1.50	0.00
800.00	3.00	127.50	799.91	-3.19	4.15	5.23	1.50	1.50	0.00
900.00	4.50	127.50	899.69	-7.17	9.34	11.77	1.50	1.50	0.00
1,000.00	6.00	127.50	999.27	-12.74	16.60	20.92	1.50	1.50	0.00
1,100.00	7.50	127.50	1,098.57	-19.89	25.93	32.68	1.50	1.50	0.00
1,200.00	9.00	127.50	1,197.54	-28.63	37.31	47.03	1.50	1.50	0.00
1,300.00	10.50	127.50	1,296.09	-38.94	50.74	63.96	1.50	1.50	0.00
1,331.40	10.97	127.50	1,326.94	-42.50	55.39	69.81	1.50	1.50	0.00
1,400.00	10.97	127.50	1,394.28	-50.45	65.74	82.87	0.00	0.00	0.00
1,500.00	10.97	127.50	1,492.46	-62.03	80.84	101.90	0.00	0.00	0.00
1,600.00	10.97	127.50	1,590.63	-73.62	95.94	120.93	0.00	0.00	0.00
1,700.00	10.97	127.50	1,688.80	-85.20	111.04	139.96	0.00	0.00	0.00
1,800.00	10.97	127.50	1,786.97	-96.79	126.14	158.99	0.00	0.00	0.00
1,900.00	10.97	127.50	1,885.15	-108.37	141.23	178.02	0.00	0.00	0.00
2,000.00	10.97	127.50	1,983.32	-119.96	156.33	197.05	0.00	0.00	0.00
2,100.00	10.97	127.50	2,081.49	-131.54	171.43	216.09	0.00	0.00	0.00
2,200.00	10.97	127.50	2,179.66	-143.13	186.53	235.12	0.00	0.00	0.00
2,300.00	10.97	127.50	2,277.84	-154.72	201.63	254.15	0.00	0.00	0.00
2,400.00	10.97	127.50	2,376.01	-166.30	216.73	273.18	0.00	0.00	0.00
2,500.00	10.97	127.50	2,474.18	-177.89	231.83	292.21	0.00	0.00	0.00
2,600.00	10.97	127.50	2,572.35	-189.47	246.92	311.24	0.00	0.00	0.00
2,700.00	10.97	127.50	2,670.53	-201.06	262.02	330.27	0.00	0.00	0.00
2,800.00	10.97	127.50	2,768.70	-212.64	277.12	349.30	0.00	0.00	0.00
2,900.00	10.97	127.50	2,866.87	-224.23	292.22	368.34	0.00	0.00	0.00
3,000.00	10.97	127.50	2,965.04	-235.81	307.32	387.37	0.00	0.00	0.00
3,100.00	10.97	127.50	3,063.21	-247.40	322.42	406.40	0.00	0.00	0.00
3,200.00	10.97	127.50	3,161.39	-258.99	337.52	425.43	0.00	0.00	0.00
3,300.00	10.97	127.50	3,259.56	-270.57	352.61	444.46	0.00	0.00	0.00
3,400.00	10.97	127.50	3,357.73	-282.16	367.71	463.49	0.00	0.00	0.00
3,500.00	10.97	127.50	3,455.90	-293.74	382.81	482.52	0.00	0.00	0.00
3,600.00	10.97	127.50	3,554.08	-305.33	397.91	501.56	0.00	0.00	0.00
3,700.00	10.97	127.50	3,652.25	-316.91	413.01	520.59	0.00	0.00	0.00
3,800.00	10.97	127.50	3,750.42	-328.50	428.11	539.62	0.00	0.00	0.00
3,900.00	10.97	127.50	3,848.59	-340.08	443.21	558.65	0.00	0.00	0.00
4,000.00	10.97	127.50	3,946.77	-351.67	458.30	577.68	0.00	0.00	0.00
4,100.00	10.97	127.50	4,044.94	-363.26	473.40	596.71	0.00	0.00	0.00
4,200.00	10.97	127.50	4,143.11	-374.84	488.50	615.74	0.00	0.00	0.00
4,300.00	10.97	127.50	4,241.28	-386.43	503.60	634.77	0.00	0.00	0.00
4,400.00	10.97	127.50	4,339.46	-398.01	518.70	653.81	0.00	0.00	0.00
4,500.00	10.97	127.50	4,437.63	-409.60	533.80	672.84	0.00	0.00	0.00
4,600.00	10.97	127.50	4,535.80	-421.18	548.90	691.87	0.00	0.00	0.00
4,700.00	10.97	127.50	4,633.97	-432.77	563.99	710.90	0.00	0.00	0.00
4,800.00	10.97	127.50	4,732.14	-444.35	579.09	729.93	0.00	0.00	0.00
4,900.00	10.97	127.50	4,830.32	-455.94	594.19	748.96	0.00	0.00	0.00
5,000.00	10.97	127.50	4,928.49	-467.53	609.29	767.99	0.00	0.00	0.00
5,100.00	10.97	127.50	5,026.66	-479.11	624.39	787.03	0.00	0.00	0.00
5,200.00	10.97	127.50	5,124.83	-490.70	639.49	806.06	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Beluga Unit  
**Well:** Beluga Unit Q-7-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Beluga Unit Q-7-9-17  
**TVD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**MD Reference:** GL 5380' & RKB 12' @ 5392.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	10.97	127.50	5,223.01	-502.28	654.59	825.09	0.00	0.00	0.00
5,400.00	10.97	127.50	5,321.18	-513.87	669.68	844.12	0.00	0.00	0.00
5,500.00	10.97	127.50	5,419.35	-525.45	684.78	863.15	0.00	0.00	0.00
5,600.00	10.97	127.50	5,517.52	-537.04	699.88	882.18	0.00	0.00	0.00
5,700.00	10.97	127.50	5,615.70	-548.62	714.98	901.21	0.00	0.00	0.00
5,800.00	10.97	127.50	5,713.87	-560.21	730.08	920.24	0.00	0.00	0.00
5,900.00	10.97	127.50	5,812.04	-571.79	745.18	939.28	0.00	0.00	0.00
6,000.00	10.97	127.50	5,910.21	-583.38	760.28	958.31	0.00	0.00	0.00
6,100.00	10.97	127.50	6,008.39	-594.97	775.37	977.34	0.00	0.00	0.00
6,183.13	10.97	127.50	6,090.00	-604.60	787.93	993.16	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BU Q-7-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,090.00	-604.60	787.93	7,187,400.01	2,045,580.09	40° 2' 32.044 N	110° 3' 9.908 W

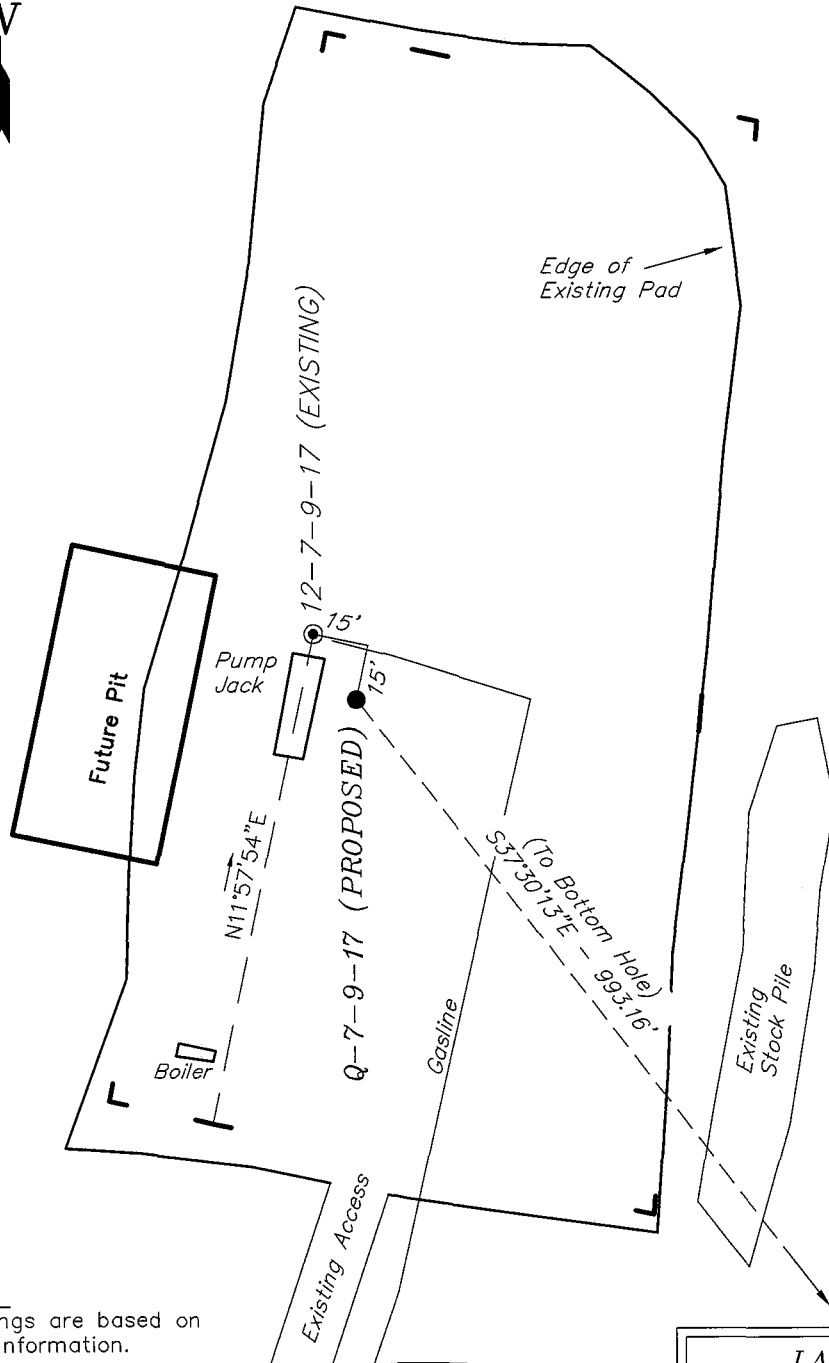
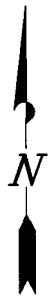
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

**BELUGA UNIT Q-7-9-17 (Proposed Well)**

**BELUGA UNIT 12-7-9-17 (Existing Well)**

Pad Location: NWSW Section 7, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

Q-7-9-17 (PROPOSED)  
2114' FSL & 779' FWL

### BOTTOM HOLE FOOTAGES

Q-7-9-17 (PROPOSED)  
1325' FSL & 1385' FWL

### Note:

Bearings are based on  
GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
Q-7-9-17	-788'	605'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
12-7-9-17	40° 02' 38.20"	110° 03' 20.19"
Q-7-9-17	40° 02' 38.02"	110° 03' 20.04"

SURVEYED BY: T.H. DATE SURVEYED: 11-28-07  
DRAWN BY: F.T.M. DATE DRAWN: 12-10-07  
SCALE: 1" = 50' REVISED: L.C.S. 02-11-08

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

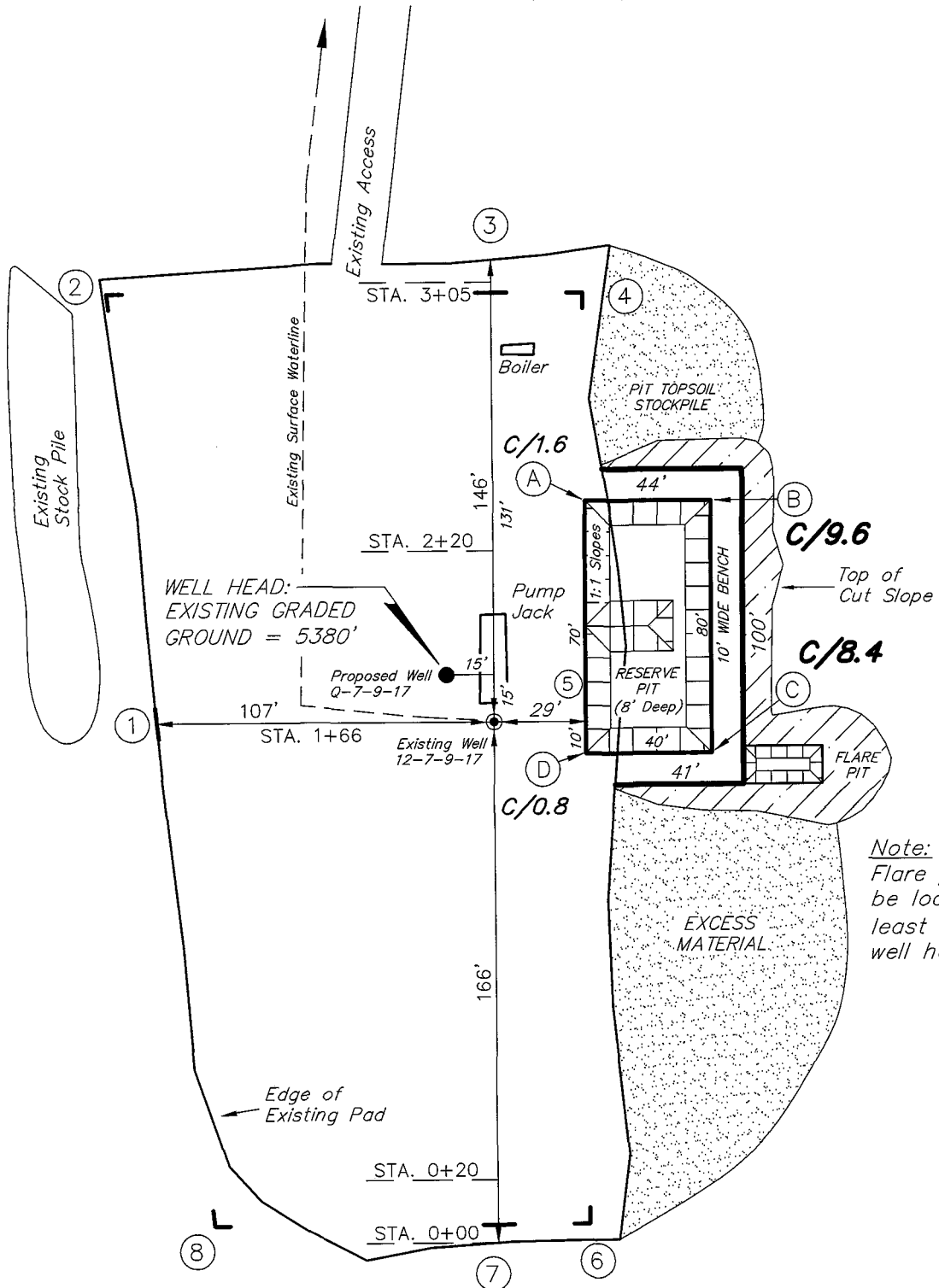
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

**BELUGA UNIT Q-7-9-17 (Proposed Well)**

**BELUGA UNIT 12-7-9-17 (Existing Well)**

Pad Location: NWSW Section 7, T9S, R17E, S.L.B.&M.



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 11-28-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-10-07
SCALE: 1" = 50'	REVISED:

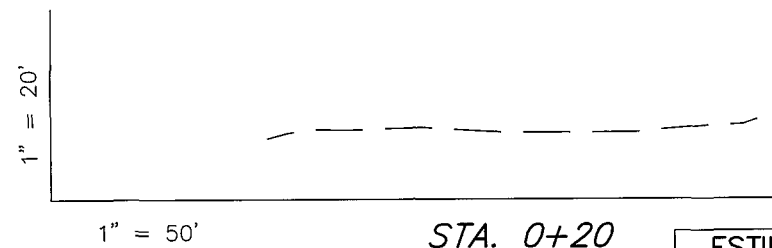
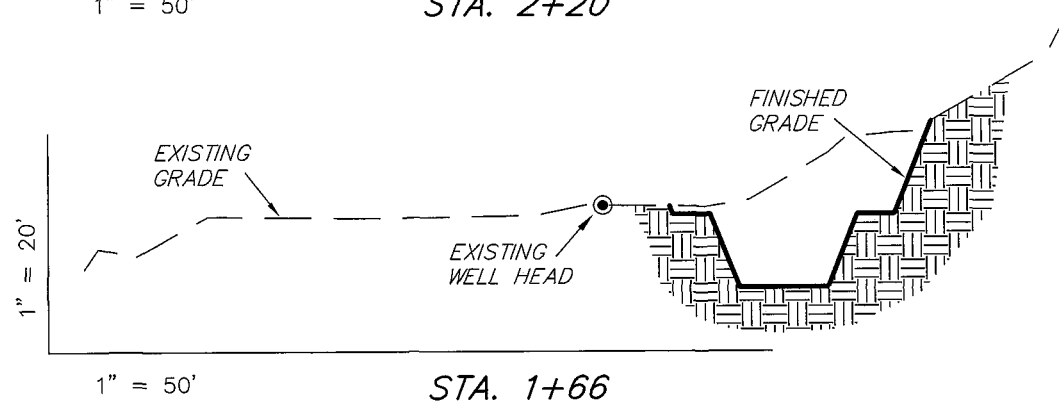
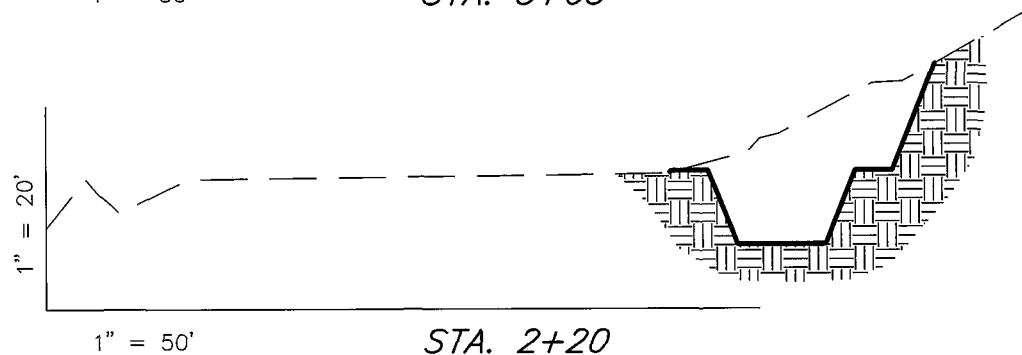
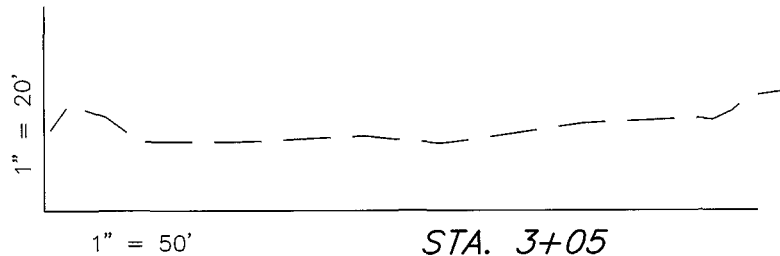
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

*BELUGA UNIT Q-7-9-17 (Proposed Well)*

*BELUGA UNIT 12-7-9-17 (Existing Well)*



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,710	0	Topsoil is not included in Pad Cut	1,710
PIT	640	0		640
TOTALS	2,350	0	170	2,350

SURVEYED BY: T.H.	DATE SURVEYED: 11-28-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-10-07
SCALE: 1" = 50'	REVISED:

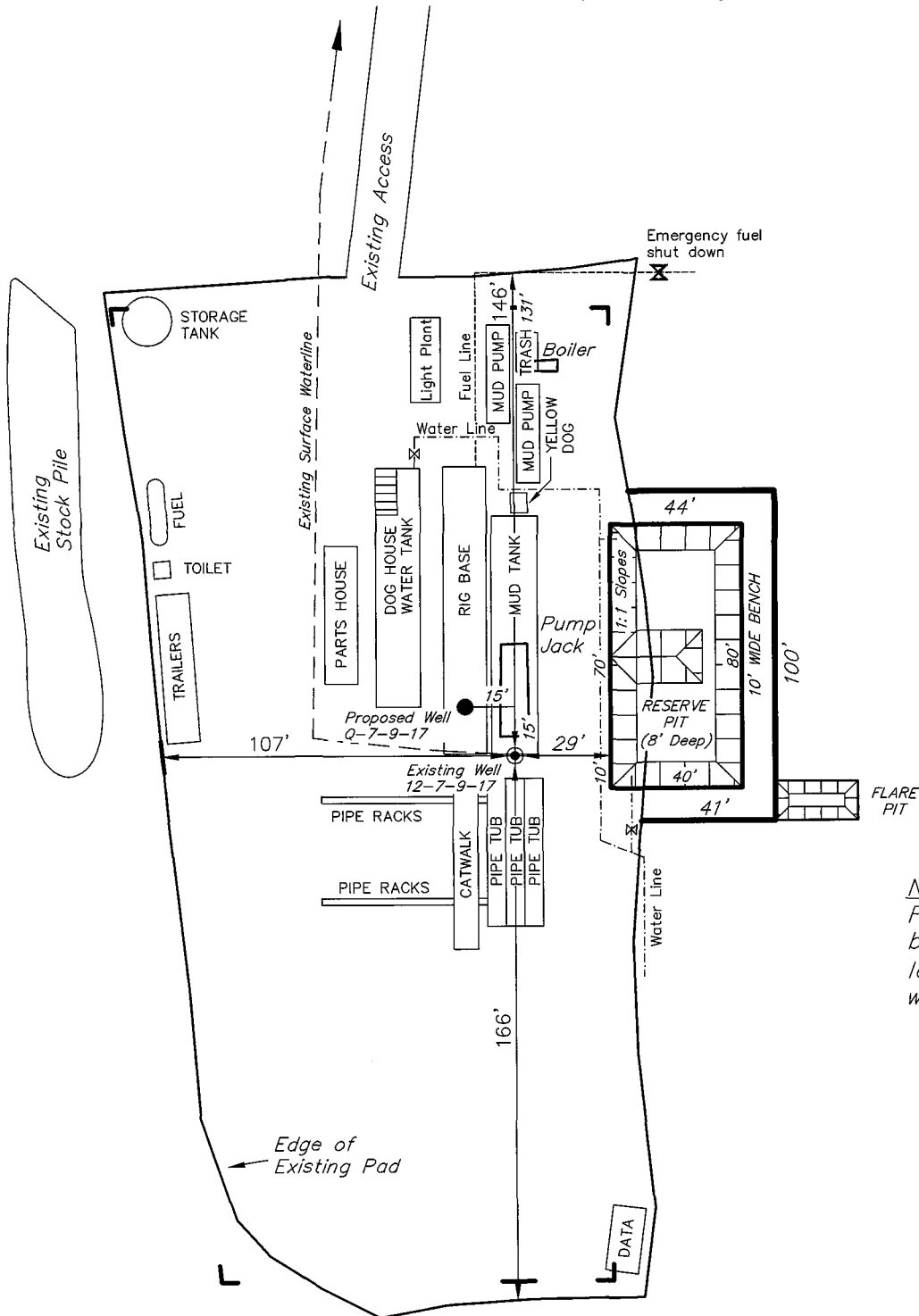
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

BELUGA UNIT Q-7-9-17 (Proposed Well)

BELUGA UNIT 12-7-9-17 (Existing Well)



Note:  
Flare pit is to  
be located at  
least 80' from  
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 11-28-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-10-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

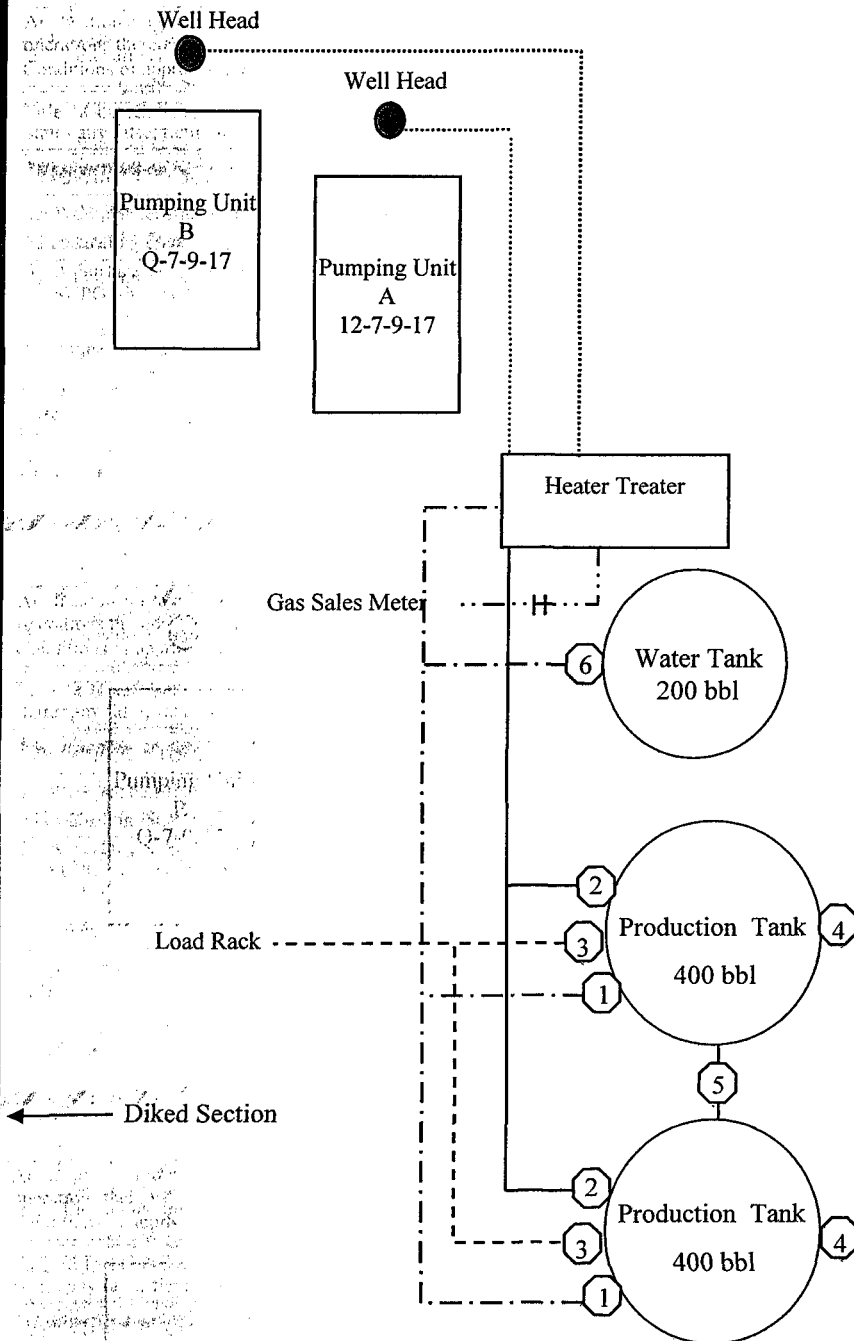
Beluga Federal Q-7-9-17

From the 12-7-9-17 Location

NW/SW Sec. 7 T9S, R17E

Duchesne County, Utah

UTU-72106



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

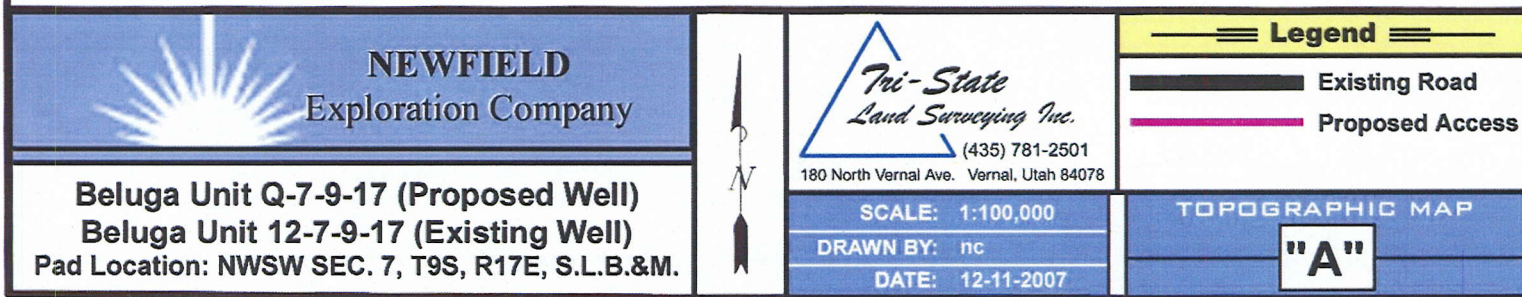
## Draining Phase:

- 1) Valves 1 and 6 open

## Legend

Emulsion Line	.....
Load Rack	-----
Water Line	- . - . - .
Gas Sales	- . - . - .
Oil Line	—————





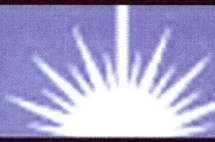
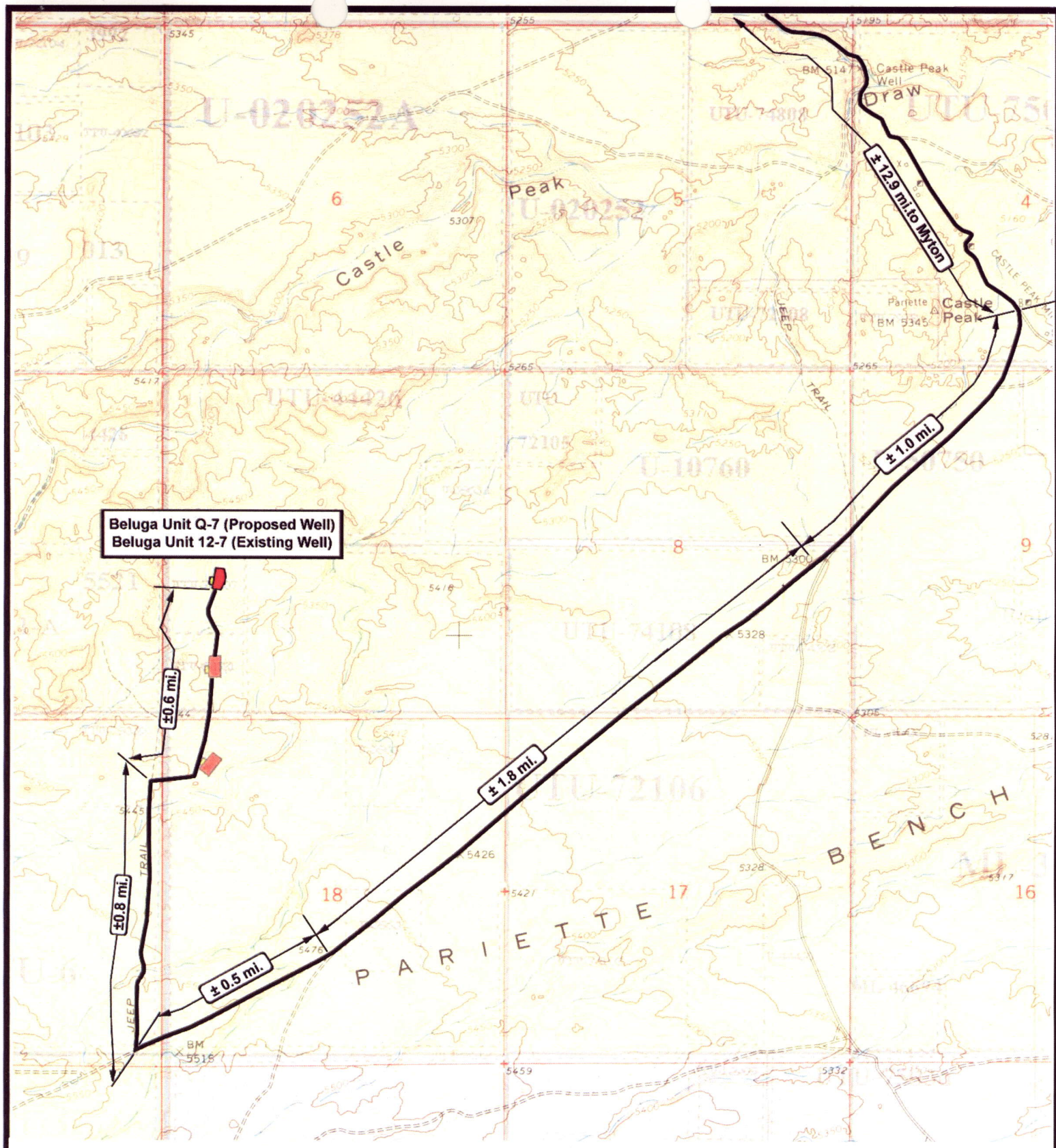
**Beluga Unit Q-7-9-17 (Proposed Well)**  
**Beluga Unit 12-7-9-17 (Existing Well)**  
**Pad Location: NWSW SEC. 7, T9S, R17E, S.L.B.&M.**



DATE: 12-11-2007

"A"





**NEWFIELD**  
Exploration Company

**Beluga Unit Q-7-9-17 (Proposed Well)**  
**Beluga Unit 12-7-9-17 (Existing Well)**

Pad Location: NWSW SEC. 7, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: nc

DATE: 12-11-2007

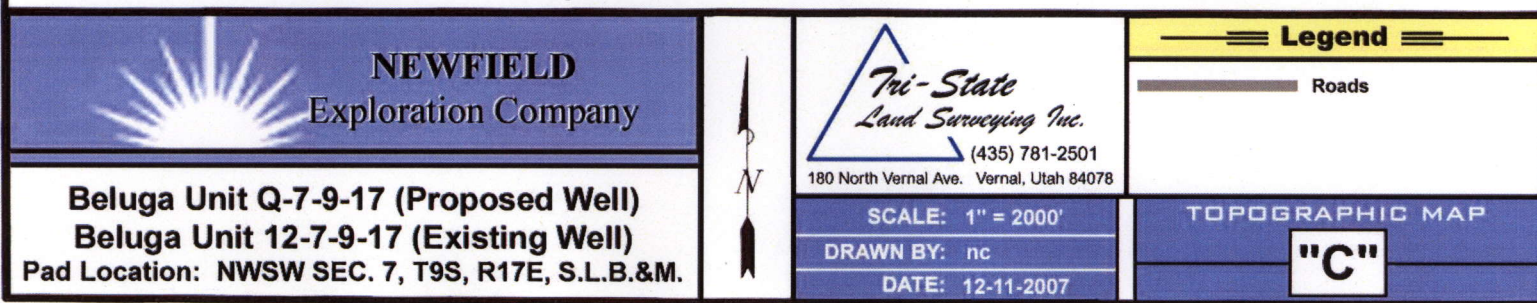
**Legend**

Existing Road

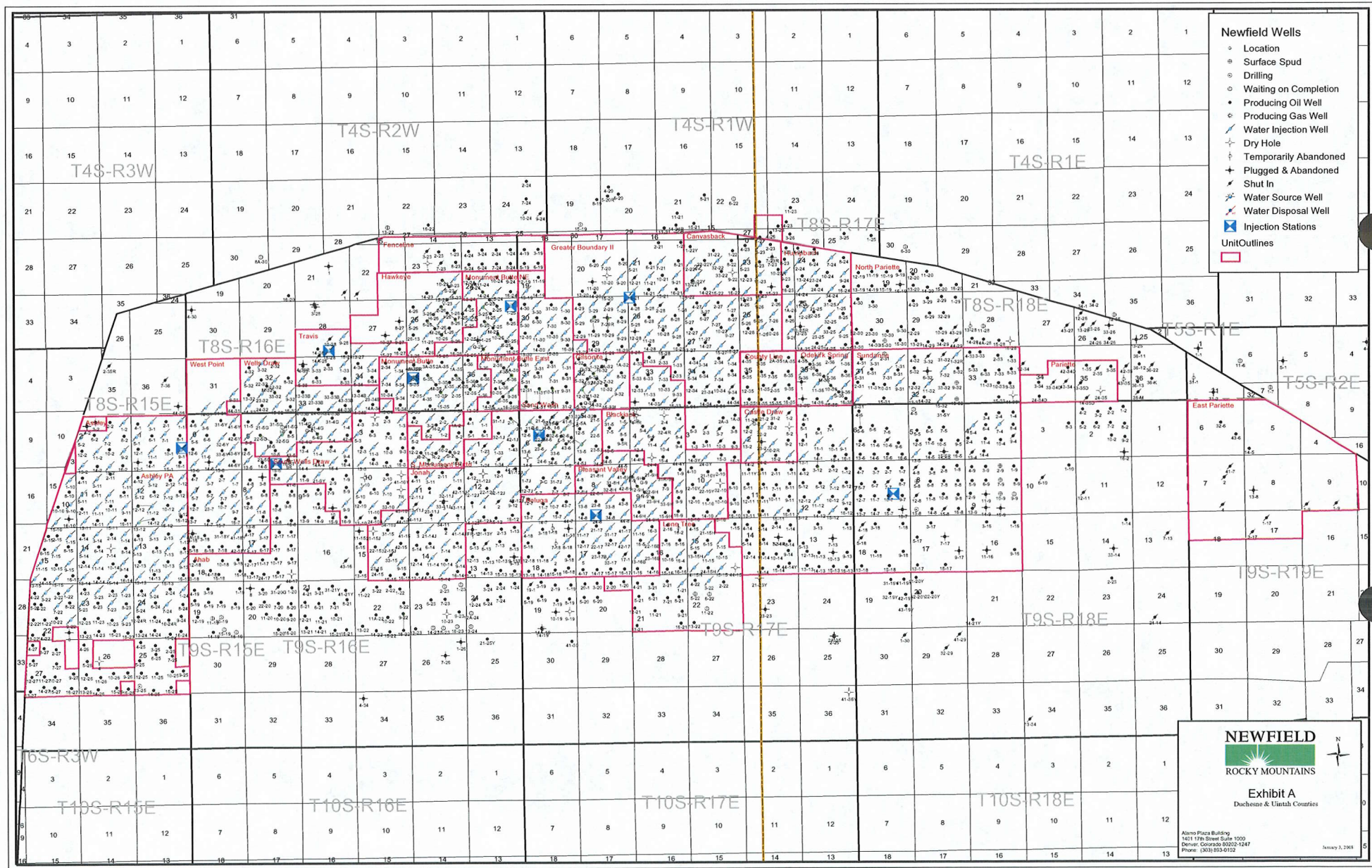
**TOPOGRAPHIC MAP**

**"B"**













# 2-M SYSTEM

Blowout Prevention Equipment Systems

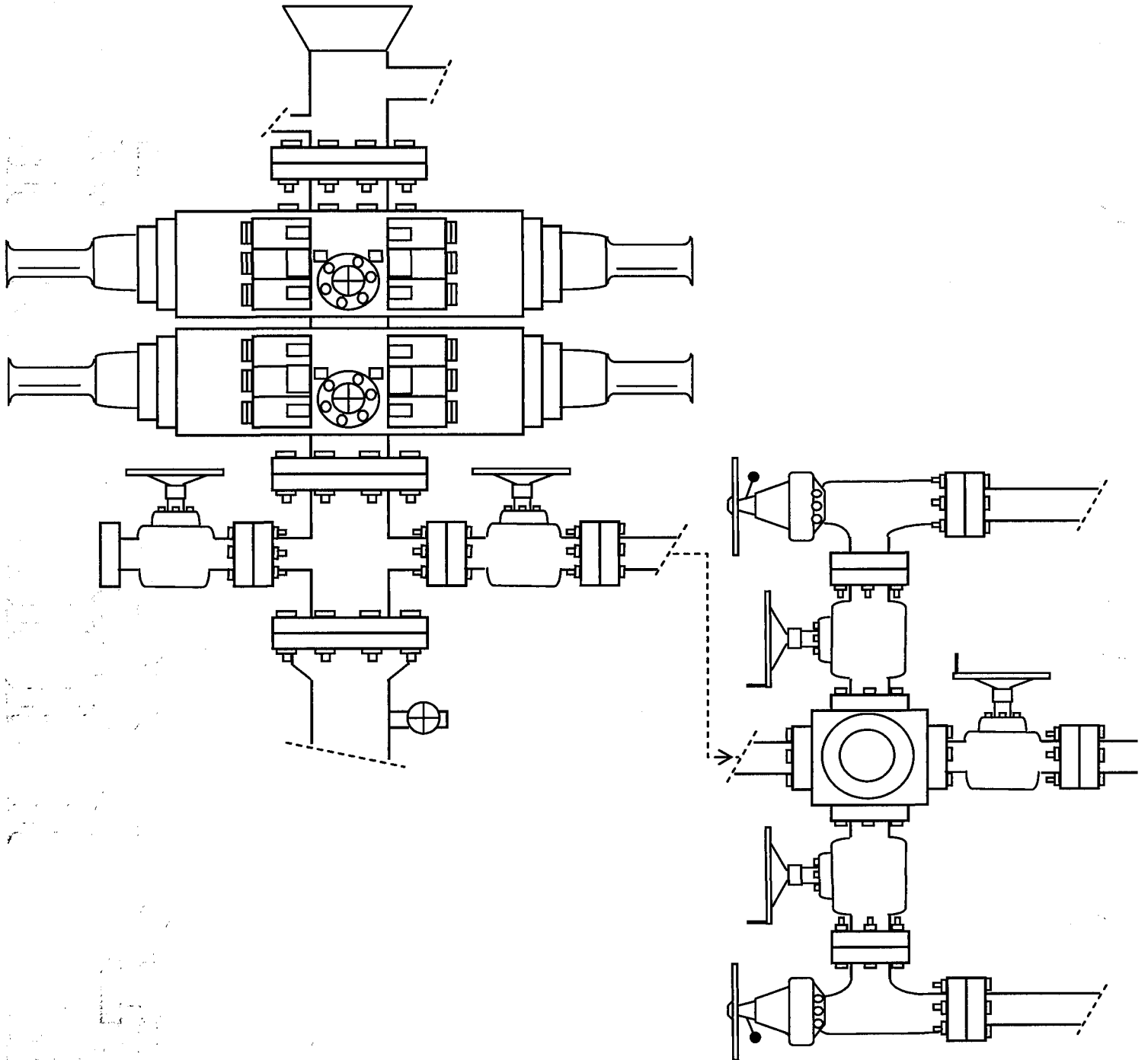


EXHIBIT C



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/06/2008

API NO. ASSIGNED: 43-013-33924

WELL NAME: BELUGA FED Q-7-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 07 090S 170E

SURFACE: 2114 FSL 0779 FWL

BOTTOM: 1325 FSL 1385 FWL

COUNTY: DUCHESNE

LATITUDE: 40.04393 LONGITUDE: -110.0549

UTM SURF EASTINGS: 580629 NORTHINGS: 4432851

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-72106

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

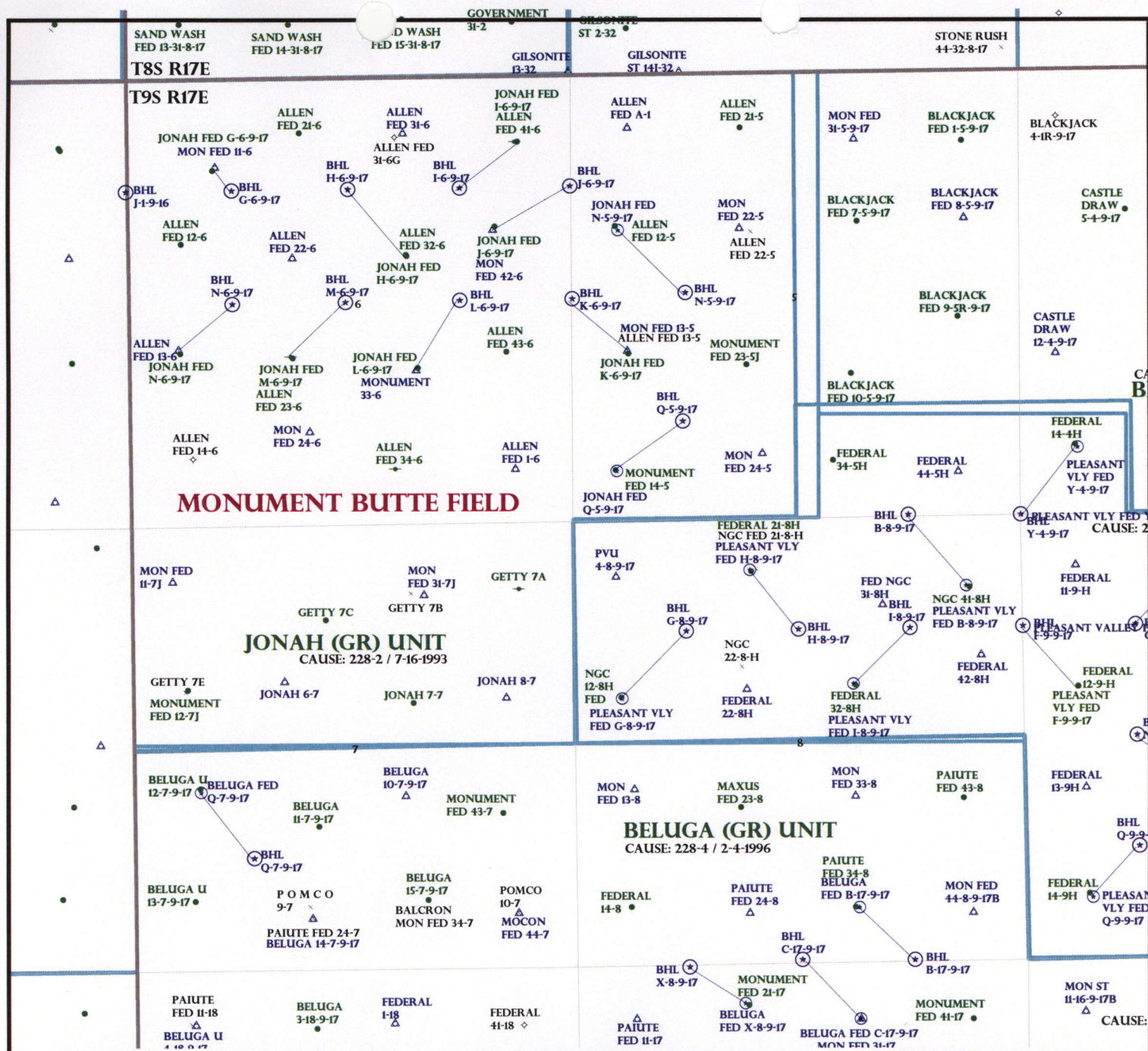
☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.  
Unit: BELUGA (GRRV)  
☐ R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No: 228-4  
Eff Date: 2-4-1996  
Siting: 460' fr u6drg & 920' fr other wells.  
☒ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- Federal Approval



OPERATOR: NEWFIELD PROD CP (N2695)

SEC: 7 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-4 / 2-4-1996

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 07-MARCH-2008



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 7, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Beluga Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2008 within the Beluga Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Propozed PZ Green River)		
43-013-33924	Beluga Fed Q-7-9-17 Sec 7 T09S R17E 2114 FSL 0779 FWL	BHL Sec 7 T09S R17E 1325 FSL 1385 FWL

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Beluga Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-7-08



March 11, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Beluga Federal Q-7-9-17**  
Beluga Unit  
UTU-75023X  
Surface Hole: T9S R17E, Section 7: Lot 3 (NW/4SW/4)  
2114' FSL 779' FWL  
Bottom Hole: T9S R17E, Section 7:  
1325' FSL 1385' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated February 29, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Federal Unit UTU-75023X. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED  
MAR 14 2008  
DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Beluga Unit

8. Lease Name and Well No.

Beluga Federal Q-7-9-17

9. API Well No.

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

10. Field and Pool, or Exploratory  
Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NW/4SW (LOT #3) 2114' FSL 779' FWL

At proposed prod. zone 1325' FSL 1385' FWL

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 7, T9S R17E

14. Distance in miles and direction from nearest town or post office\*

(See instructions on reverse) Approximately 17.6 miles south of Myton, Utah

12. County or Parish

Duchesne

13. State

UT

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 1315' f/lee, 1315' f/unit

16. No. of Acres in lease

1,188.92

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1431'

19. Proposed Depth

6090'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5380' GL

22. Approximate date work will start\*

2nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Mandie Crozier*

Name (Printed/Typed)

Mandie Crozier

Date

2/29/08

26. Distance from nearest

property or lease

(Also to nearest

Regulatory Specialist

Name (Printed/Typed)

Date

Approved by (Signature)

property or lease

(Also to nearest

Office

Distance from nearest

property or lease

(Also to nearest

Approved by (Signature)

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAR 14 2008

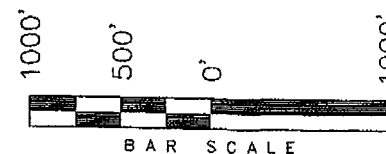
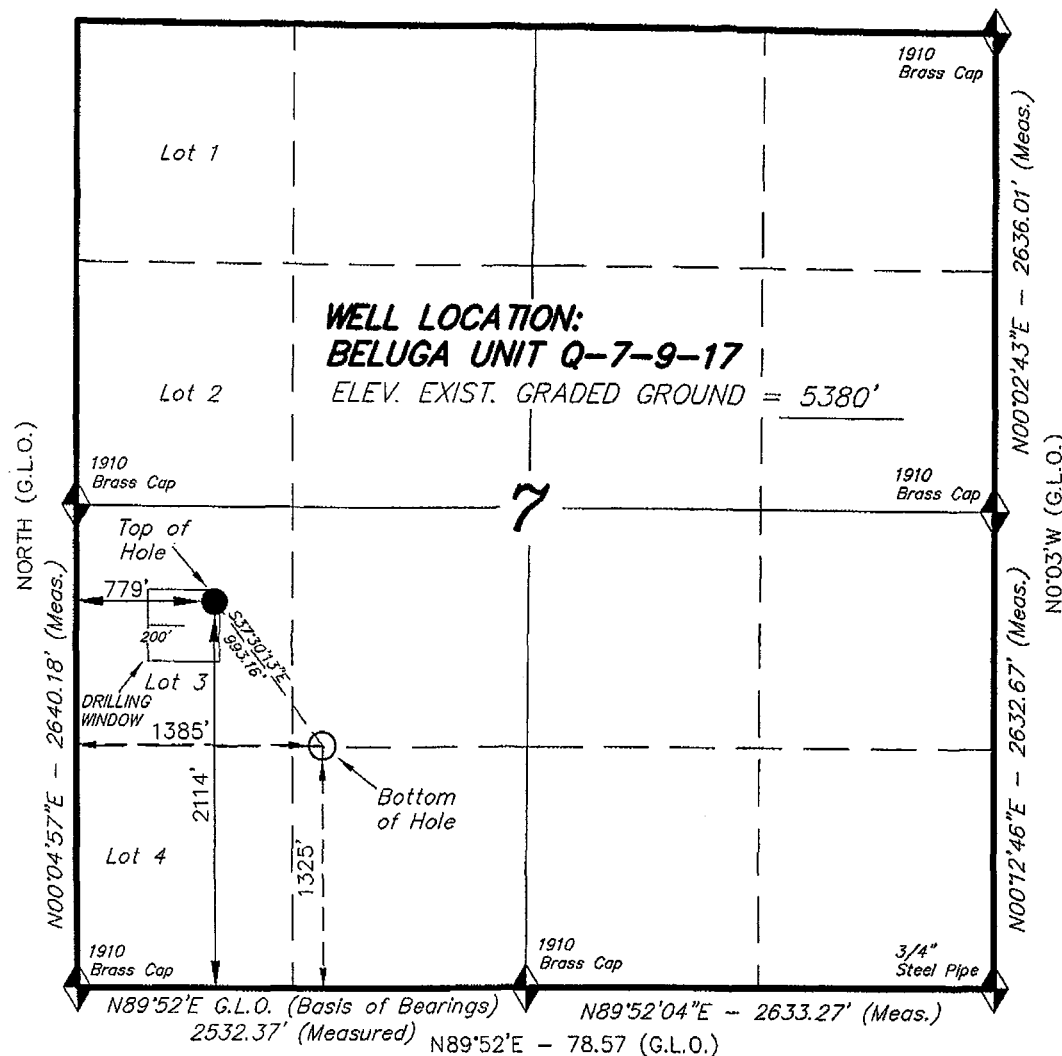
DIV. OF OIL, GAS & MINING

**T9S, R17E, S.L.B.&M.**

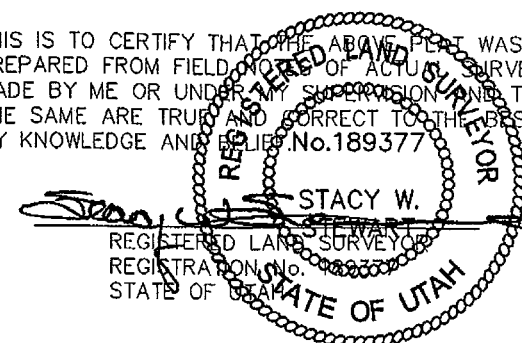
N89°55'E - 78.50 (G.L.O.)

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, BELUGA UNIT Q-7-9-17,  
LOCATED AS SHOWN IN THE NW 1/4 SW  
1/4 (LOT 3) OF SECTION 7, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**BELUGA UNIT Q-7-9-17**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 02' 38.02"  
LONGITUDE = 110° 03' 20.04"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 11-28-07	SURVEYED BY: T.H.
DATE DRAWN: 12-10-07	DRAWN BY: F.T.M.
REVISED: 02-11-08 L.C.S.	SCALE: 1" = 1000'



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

March 20, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Beluga Federal Q-7-9-17 Well, Surface Location 2114' FSL, 779' FWL, NW SW, Sec. 7,  
T. 9 South, R. 17 East, Bottom Location 1325' FSL, 1385' FWL, NE SW, Sec. 7,  
T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33924.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company  
Well Name & Number Beluga Federal Q-7-9-17  
API Number: 43-013-33924  
Lease: UTU-72106

Surface Location: NW SW      Sec. 7      T. 9 South      R. 17 East  
Bottom Location: NE SW      Sec. 7      T. 9 South      R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.	UTU-72106
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA Agreement, Name and No.	Beluga Unit <i>UTU 75023X</i>
8. Lease Name and Well No.	Beluga Federal Q-7-9-17
9. API Well No.	<i>43-013-33924</i>
10. Field and Pool, or Exploratory	Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area	Sec. 7, T9S R17E
12. County or Parish	Duchesne
13. State	UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface NW/SW (LOT #3) 2114' FSL 779' FWL  
At proposed prod. zone 1325' FSL 1385' FWL

14. Distance in miles and direction from nearest town or post office\*  
(September 2001) Approximatley 17.6 miles south of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1315' f/lse, 1315' f/unit

16. No. of Acres in lease  
1,188.92

17. Spacing Unit dedicated to this well  
20 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1431'

19. Proposed Depth  
6090'

20. BLM/BIA Bond No. on file  
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5380' GL

22. Approximate date work will start\*  
2nd Quarter 2008

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/29/08
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Kewela</i>	Name (Printed/Typed) Jerry Kewela	Date 6-25-2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

JUL 09 2008

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Beluga Federal Q-7-9-17  
API No: 43-013-33924

Location: Lot 3, Sec. 7, T9S, R17E  
Lease No: UTU-72106  
Agreement: Beluga Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC CONDITIONS OF APPROVAL:**

**STIPULATIONS:**

1. There are six documented Golden eagle nests within ½ mile southwest of the proposed project area. The nests have been inactive within at least the past two consecutive years. With this occurrence there will be a timing restriction for construction and drilling to minimize disturbance during Golden eagle nesting from February 1 – July 15.

**Lease Notices from RMP:**

1. The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
2. The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

**Comments:**

1. GIS data shows the project area is within Mountain plover nesting habitat. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required Mountain plover timing restrictions were not applied.
2. During the onsite it was evident that scattered complexes of White-tailed prairie dog colonies (Burrowing owl nesting habitat) were in the area. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required Burrowing owl timing restrictions were not applied.

**Follow-up Actions and/or Recommendations:**

**Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.**

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- **Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form**

**3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. This will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.**

- **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the late summer to fall (September 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"
Forage Kochia	<i>Kochia prostratus</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

- **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: BELUGA FED Q-7-9-17

Api No: 43-013-33924 Lease Type: FEDERAL

Section 07 Township 09S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 07/24/08

Time 12:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by SEAN STEVENS

Telephone # (435) 823-1162

Date 07/28/08 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone

(include area code)

435.646.3721

4. Location of Well

(Footage, Sec., T., R., M., or Survey Description)

NWSW Section 7 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL Q-7-9-17

9. API Well No.

4301333924

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/24/08MIRU Ross # 24.Spud well @ 12:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.35'On 7/26/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

RECEIVED

JUL 30 2008

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Title

Drilling Foreman

Date

07/27/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.35

LAST CASING 8 5/8" Set At 324.35'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Beluga Federal Q-7-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.60'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.5
		<b>GUIDE</b> shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	314.35
TOTAL LENGTH OF STRING	314.35	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	<b>324.35</b>

TOTAL	312.5	7	} COMPARE	
TOTAL CSG. DEL. (W/O THRS)	320.04	7		
TIMING	1ST STAGE			
BEGIN RUN CSG. Spud	12:00 PM	7/24/2008	GOOD CIRC THRU JOB	Yes
CSG. IN HOLE	11:00 AM	7/25/2008	BbIs CMT CIRC TO SURFACE	3
BEGIN CIRC	11:12 AM	7/26/2008	RECIPROCATED PIPE FOR	N/A
BEGIN PUMP CMT	11:18 AM	7/26/2008		
BEGIN DSPL. CMT	11:30 AM	7/26/2008	BUMPED PLUG TO	125 PSI
PLUG DOWN	11:38 AM	7/26/2008		

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3		

COMPANY REPRESENTATIVE Don Bastian DATE 7/26/2008

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

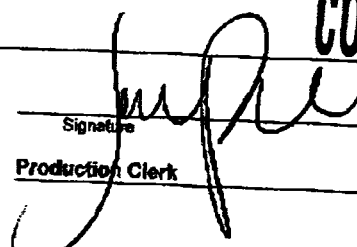
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16999	4301333197	FEDERAL 12-19-9-17	NWSW	19	9S	17E	DUCHESNE	7/29/2008	7/31/08
WELL 1 COMMENTS: GRRV											
A	99999	17000	4304739398	FEDERAL 15-19-9-18	SWSE	19	9S	18E	UINTAH	7/29/2008	7/31/08
GRRV											
B	99999	12704	4301333919	BLACKJACK FEDERAL G-10-9-17	SWNW	10	9S	17E	DUCHESNE	7/25/2008	7/31/08
GRRV BHL = NWNW											
B	99999	13269	4301333778	SOUTH WELLS DRAW FEDERAL M-10-9-16	SEnw	10	9S	16E	DUCHESNE	7/24/2008	7/31/08
GRRV BHL = SENW											
B	99999	11880	4301333924	BELUGA FEDERAL Q-7-9-17	NWSW	7	9S	17E	DUCHESNE	7/24/2008	7/31/08
WELL 5 COMMENTS: GRRV BHL = NESW											
A	99999	17001	4304739772	STATE 23-2T-9-17	NESW	2	4S	17E	UINTAH	7/30/2008	7/31/08
WELL 5 COMMENTS: MNCS											

ACTION CODES (See instructions on back of form)  
A - new entity for new well (single well only)  
B - well to existing entity (group or unit well)  
C - from one existing entity to another existing entity  
D - well from one existing entity to a new entity  
E - shut (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
JUL 31 2008

DIV. OF OIL, GAS & MINING

**CONFIDENTIAL**  
Signature:   
Production Clerk: Jennifer Park  
Date: 07/31/08



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

June 25, 2008

Mandie Crozier  
Newfield Exploration  
Route 3, Box 3630  
Myton, Utah 84052

43-013-33924

Re: Well No. Beluga Federal Q-7-9-17  
Lot 3, Sec.7, T9S R17E  
Duchesne, County  
Lease No. UTU-72106

Dear Ms. Crozier:

Enclosed are two copies of the approved Application for Permit to Drill (APD) with attached Conditions of Approval for the above referenced well.

If you have any questions concerning APD processing, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee  
Legal Instruments Examiner

Enclosures

bcc: well file

reading file ES

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AUG 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWSW Section 7 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL Q-7-9-17

9. API Well No.

4301333924

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/1/08 MIRU Patterson Rig # 52. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6056'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 1129 jt's of 5.5 J-55, 15.5# csgn. Set @ 6054.04' KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 96,000 #'s tension. Release rig @ 7:00 pm 8/9/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Title

Drilling Foreman

Date

08/10/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**AUG 13 2008**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

	<u>5 1/2"</u> CASING SET AT <u>6054.04</u>	Flt cllr @ <u>6010.9</u>
LAST CASING <u>8 5/8"</u> SET # <u>324.64</u>	OPERATOR <u>Newfield Production Company</u>	
DATUM <u>12' KB</u>	WELL <u>Beluga Fed. Q-7-9-17</u>	
DATUM TO CUT OFF CASING <u>12'</u>	FIELD/PROSPECT <u>Monument Butte</u>	
DATUM TO BRADENHEAD FLANGE _____	CONTRACTOR & RIG # <u>Patterson # 52</u>	
TD DRILLER <u>6056</u> Loggers <u>6050'</u>		
HOLE SIZE <u>7 7/8"</u>		

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3930'(7.70)					
139	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5998.9
		Float collar 6010.9					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	41.89
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6056.04
TOTAL LENGTH OF STRING		6034.7	140	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		67.36	2	CASING SET DEPTH			<b>6054.04</b>
TOTAL		<b>6086.81</b>	142	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6108.15	142				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		4:00 AM	8/9/2008	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		10:00 AM	8/9/2008	Bbls CMT CIRC TO SURFACE <u>40</u>			
BEGIN CIRC		10:30 AM	8/9/2008	RECIPROCATED PIPE FOR <u>THRUSTROKE</u> NA			
BEGIN PUMP CMT		12:43 PM	8/9/2008	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		1:45 PM	8/9/2008	BUMPED PLUG TO <u>1615</u> PSI			
PLUG DOWN		2:08 PM	8/9/2008				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	325	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE <u>Don Bastian</u>	DATE <u>8/10/2008</u>
---	-----------------------

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-72106
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: BELUGA FEDERAL Q-7-9-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 7, T9S, R17E		9. API NUMBER: 4301333924
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/10/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08-29-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentry Park TITLE Production Clerk  
SIGNATURE DATE 09/10/2008

(This space for State use only)

RECEIVED

SEP 15 2008

DIV. OF OIL, GAS & MINING



**Daily Activity Report**

Format For Sundry

**BELUGA FED Q-7-9-17****6/1/2008 To 10/30/2008****8/19/2008 Day: 1****Completion**

Rigless on 8/18/2008 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5961' & cement top @ 30'. Perforate stage #1, CP4 sds @ 5680-94' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 56 shots. 143 bbls EWTR. SIFN.

---

**8/22/2008 Day: 2****Completion**

Rigless on 8/21/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP4 sds, stage #1 down casing w/ 50,398#'s of 20/40 sand in 467 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3059 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1560 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1783. 610 bbls EWTR. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ 5-1/2" (6K) composite flow through frac plug & 22' perf gun. Set plug @ 5620'. Perforate CP1 sds @ 5524-46' w/ 3-1/8" Slick Guns (23 gram, .37"HE, 120°) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 60,064#'s of 20/40 sand in 520 bbls of Lightning 17 frac fluid. Open well w/ 1350 psi on casing. Perfs broke down @ 2887 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1717 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2018. 1130 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 14' perf gun. Set plug @ 5240'. Perforate A1 sds @ 5126-40' w/ 4 spf for total of 56 shots. RU BJ & frac stage #3 w/ 49,968#'s of 20/40 sand in 461 bbls of Lightning 17 frac fluid. Open well w/ 1524 psi on casing. Perfs broke down @ 1861 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1965 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2219. 1591 bbls EWTR. Leave pressure on well. SIFN.

---

**8/23/2008 Day: 3****Completion**

Rigless on 8/22/2008 - Stage #4 B2 sds. RU Phoenix Surverys, inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 5050'. Perforate B2 sds @ 4942-52' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf forttotal of 40 shots. RU BJ Services. 894 psi on well. Frac B2 sds w/ 40,276#'s of 20/40 sand in 395 bbls of Lightning 17 fluid. Broke @ 4200 psi. Treated w/ ave pressure of 1868 psi w/ ave rate of 22.8 BPM. ISIP 2871 psi. Leave pressure on well. 1986 BWTR. Stage #5 D2/D3 sds. RU Phoenix Surverys, inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 8' perf guns. Set plug @ 4850'. Perforate D2 sds @ 4696-4704' & D3 sds @ 4746-54' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf forttotal of 64 shots. RU BJ Services. 1615 psi on well. Frac D2/D3 sds w/ 35,356#'s of 20/40 sand in 359 bbls of Lightning 17 fluid. Broke @ 2462 psi. Treated w/ ave pressure of 1776 psi w/ ave rate of 23.2 BPM. ISIP 2056 psi. Leave pressure on well. 2345 BWTR Stage #6 GB6 sds. RU Phoenix Surverys, inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 6' perf guns. Set plug @ 4290'. Perforate GB6 sds @ 4168-74' & 4182-88' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf forttotal of 48 shots. RU BJ Services. 1552 psi on well. Frac GB6 sds w/ 45,428#'s of 20/40 sand in 414 bbls of

**Lightning 17 fluid. Broke @ 2287 psi. Treated w/ ave pressure of 1793 psi w/ ave rate of 23.0 BPM. ISIP 1946 psi. Leave pressure on well. 2759 BWTR. Stage #7 GB4 sds. RU Phoenix Surverys, inc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4120'. Perferte GB4 sds @ 4092-4100' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf forttotal of 32 shots. RU BJ Services. 1505 psi on well. Frac GB4 sds w/ 31,005#'s of 20/40 sand in 335 bbls of Lightning 17 fluid. Broke @ 1748 psi. Treated w/ ave pressure of 2238 psi w/ ave rate of 23.0 BPM. ISIP 2292 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 4 hrs. & died. Recovered 480 bbls. SIWIFN.**

---

**8/27/2008 Day: 4**

**Completion**

**Basin #2 Swabbing on 8/26/2008 - MIRU Basin #2. 150 psi on well. Bleed of pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 139 jts of 2 7/8" J-55 tbg. Tagged plug @ 4120'. RU power swivel. SIWIFN w/ 2591 BWTR.**

---

**8/28/2008 Day: 5**

**Completion**

**Basin #2 Swabbing on 8/27/2008 - psi on well. Bleed of pressure. Drill out plugs & circulate sand. Plug @ 4120' (Drilled out in 20 mins), Plug @ 4290' (Drilled out in 35 mins). Plug @ 4850' (Drilled out in 35 mins). Plug @ 5050' (Drilled out in 30 mins). Plug @ 5240' (Drilled out in 35 mins). EOT @ 5251'. SIWIFN w/ 2526 BWTR.**

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**8/29/2008 Day: 6**

**Completion**

**Basin #2 Swabbing on 8/28/2008 - 500 psi on tbg, 700 psi on csg. Bleed off pressure. Continue to drill out plugs. Sand @ 5520', Plug @ 5620' (Drilled out in 30 mins). Tagged fill @ 5880'. C/O to PBTD @ 6010'. LD 3 jts of tbg. EOT @ 5923'. Well flowed. Rec. 150 BTF. Final fluid cut 5% oil & no sand. Pumped 30 BW down tbg to kill. TIH w/ 3 jts of tbg. Tagged PBTD @ 6010'. LD 10 jts of tbg. TOH w/ 20 jts of tbg. EOT @ 5078'. SIWIFN w/ 2363 BWTR.**

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**8/30/2008 Day: 7**

**Completion**

**Basin #2 Swabbing on 8/29/2008 - 450 psi on tbg, 725 psi on csg. Bleed down csg. Pumped 140 bbls of 10# brine down tbg to kill well. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg. NC, 2-jts, SN, 1-jt, TA, 183 jts. ND BOP. Set TA w/ 15,000#'s of tension @ 5664.99', SN @ 5697.13', EOT @ 5758.58'. NU WH. Flush tbg w/ 60 BW. PU & RIH w/ "B" grade rod string as follows: "CDI" 2 1/2" X 1 1/2" X 20' RHAC (175" max SL), 4- 1 1/2" wt bars, 222- 7/8" guided rods (8 per), 1-2', 1-6', 1-8' X 7/8" ponie rods, 1 1/2" X 26' polish rod. Hang head, space out rods. Test w/ unit to 800 psi. RDMOSU. POP 8-30-2008 @ 8:00AM w/ 84" SL @ 5 SPM. 2412 BWTR. FINAL REPORT!!!!**

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW  
WELL ☒WORK  
OVER ☐DEEPEN ☐PLUG  
BACK ☐DIFF  
RESVR. ☐

Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

2114' FSL &amp; 779' FWL (NW/SW) Sec. 7, T9S, R17E

At top prod. Interval reported below

At total depth

1203 fsl 1436 fwl

14. API NO.

43-013-33924

DATE ISSUED

3/20/08

15. DATE SPUNDED

7/24/08

16. DATE T.D. REACHED

8/8/08

17. DATE COMPL. (Ready to prod.)

8/28/08

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5380' GL

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

19. ELEV. CASINGHEAD

5392' KB

20. TOTAL DEPTH, MD &amp; TVD

6057' 5936'

21. PLUG BACK T.D., MD &amp; TVD

6010' 5000'

22. IF MULTIPLE COMPL.,

HOW MANY\*

23. INTERVALS

DRILLED BY

-----&gt;

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4092'-5694'

25. WAS DIRECTIONAL  
SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

## 28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6054'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5859'	TA @ 5662'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
(CP4) 5680-94'	.49"	4/56	5680'-5694' Frac w/ 50398# 20/40 sand in 467 bbls fluid
(CP1) 5524-46'	.49"	4/48	5524-5546 Frac w/ 60064# 20/40 sand in 520 bbls fluid
(A1) 5126-40'	.49"	4/56	5126-5140' Frac w/ 49,968# 20/40 sand in 461 bbls fluid
(B2) 4942-52'	.49"	4/40	4942-4952' Frac w/ 40276# 20/40 sand in 395 bbls fluid
(D2) 4696-4704' & (D3) 4746-4754'	.49"	4/64	4696-4754' Frac w/ 35356# 20/40 sand in 359 bbls fluid
(GB6) 4168-74' & 4182-88'	.49"	4/48	4168-4188' Frac w/ 45428# 20/40 sand in 414 bbls fluid
(GB4) 4092-4100'	.49"	4/32	4092-4100' Frac w/ 31005# 20/40 sand in 335 bbls fluid

## 32. PRODUCTION

DATE FIRST PRODUCTION 8/28/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 8/29/08	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 9	GAS--MCF. 0	WATER--BBL. 8		GAS-OIL RATIO 0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

TEST WITNESSED

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Tammi Lee

TITLE

Production Clerk

DIV. OF OIL, GAS &amp; MINING

DATE

9/24/2008

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name</b> <b>Beluga Federal Q-7-9-17</b>		Garden Gulch Mkr	3604'	
					Garden Gulch 1	3809'	
					Garden Gulch 2	3927'	
					Point 3 Mkr	4207'	
					X Mkr	4451'	
					Y-Mkr	4489'	
					Douglas Creek Mkr	4617'	
					BiCarbonate Mkr	4860'	
					B Limestone Mkr	4980'	
					Castle Peak	5477'	
					Basal Carbonate	5914'	
					Total Depth (LOGGERS)	6050'	

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 7 E**

**BELUGA Q-7-9-17**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**11 August, 2008**

**HATHAWAY HB BURNHAM**  
DIRECTIONAL & MWD SERVICES



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 7 E  
**Well:** BELUGA Q-7-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well BELUGA Q-7-9-17  
**TVD Reference:** Q-7-9-17 @ 5392.0ft (PATTERSON 52 KB)  
**MD Reference:** Q-7-9-17 @ 5392.0ft (PATTERSON 52 KB)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone	Using geodetic scale factor	

<b>Site</b>	SECTION 7 E, SEC 7 T9S, R17E			
<b>Site Position:</b>		<b>Northing:</b>	7,188,503.00 ft	<b>Latitude:</b> 40° 2' 42.929 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,046,559.00 ft	<b>Longitude:</b> 110° 2' 57.037 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b> 0.93 °

<b>Well</b>	BELUGA Q-7-9-17, SHL LAT: 40 02' 38.02", LONG: 110 03' 20.04"			
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,187,977.42 ft
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,044,778.41 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	5,392.0 ft	<b>Ground Level:</b> 5,380.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	7/9/2008	11.67	65.88	52,587

<b>Design</b>	Wellbore #1			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	143.43

<b>Survey Program</b>	Date 8/11/2008			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
264.0	6,057.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.04	229.00	50.0	0.0	0.0	0.0	0.08	0.08	0.00
100.0	0.08	229.00	100.0	0.0	0.0	0.0	0.08	0.08	0.00
150.0	0.11	229.00	150.0	-0.1	-0.1	0.0	0.08	0.08	0.00
200.0	0.15	229.00	200.0	-0.2	-0.2	0.0	0.08	0.08	0.00
250.0	0.19	229.00	250.0	-0.3	-0.3	0.0	0.08	0.08	0.00
300.0	0.30	266.90	300.0	-0.3	-0.5	0.0	0.38	0.22	75.80
350.0	0.38	262.95	350.0	-0.4	-0.8	-0.2	0.17	0.16	-7.91
400.0	0.80	186.68	400.0	-0.7	-1.1	-0.1	1.60	0.84	-152.54
450.0	1.51	140.11	450.0	-1.6	-0.7	0.9	2.25	1.43	-93.13
500.0	1.63	142.79	500.0	-2.7	0.2	2.3	0.28	0.23	5.37
550.0	2.26	134.70	549.9	-3.9	1.3	3.9	1.37	1.26	-16.18
600.0	3.08	132.89	599.9	-5.6	2.9	6.2	1.65	1.64	-3.64



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## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
650.0	4.15	135.69	649.8	-7.8	5.2	9.4	2.16	2.13	5.61
700.0	4.94	133.23	699.6	-10.6	8.0	13.3	1.64	1.59	-4.92
750.0	5.43	134.84	749.4	-13.7	11.3	17.7	1.02	0.98	3.21
800.0	6.14	133.67	799.2	-17.2	14.9	22.7	1.43	1.41	-2.33
850.0	6.66	134.60	848.9	-21.1	18.9	28.2	1.06	1.04	1.85
900.0	7.27	136.71	898.5	-25.5	23.2	34.3	1.32	1.22	4.23
950.0	7.28	142.04	948.1	-30.3	27.4	40.6	1.35	0.03	10.66
1,000.0	7.38	142.72	997.7	-35.4	31.1	47.0	0.26	0.20	1.34
1,050.0	7.64	138.59	1,047.2	-40.5	35.3	53.5	1.19	0.51	-8.24
1,100.0	8.00	136.80	1,096.8	-45.4	39.9	60.2	0.87	0.72	-3.59
1,150.0	8.12	135.34	1,146.3	-50.4	44.7	67.2	0.47	0.24	-2.92
1,200.0	8.64	136.34	1,195.8	-55.6	49.8	74.3	1.08	1.04	2.00
1,250.0	9.53	142.12	1,245.1	-61.6	55.1	82.3	2.55	1.79	11.56
1,300.0	9.53	139.62	1,294.4	-68.1	60.3	90.6	0.83	-0.01	-5.01
1,350.0	9.78	141.08	1,343.7	-74.5	65.7	99.0	0.70	0.50	2.93
1,400.0	10.39	142.61	1,392.9	-81.4	71.1	107.7	1.34	1.23	3.06
1,450.0	10.63	143.46	1,442.1	-88.7	76.6	116.9	0.57	0.48	1.71
1,500.0	10.97	141.31	1,491.2	-96.2	82.4	126.3	1.06	0.69	-4.30
1,550.0	10.67	143.83	1,540.3	-103.6	88.1	135.7	1.12	-0.60	5.04
1,600.0	11.78	142.89	1,589.3	-111.5	93.8	145.4	2.25	2.22	-1.88
1,650.0	11.70	142.14	1,638.3	-119.5	100.1	155.6	0.35	-0.17	-1.50
1,700.0	12.36	140.98	1,687.2	-127.6	106.5	165.9	1.40	1.31	-2.32
1,750.0	12.45	140.40	1,736.0	-136.0	113.3	176.7	0.31	0.19	-1.15
1,800.0	13.02	139.89	1,784.8	-144.4	120.3	187.6	1.16	1.14	-1.02
1,850.0	13.33	138.09	1,833.5	-153.0	127.8	199.0	1.03	0.62	-3.61
1,900.0	13.61	136.97	1,882.1	-161.5	135.7	210.6	0.77	0.57	-2.23
1,950.0	13.71	139.62	1,930.7	-170.3	143.5	222.3	1.26	0.19	5.29
2,000.0	13.65	141.16	1,979.3	-179.5	151.0	234.2	0.74	-0.13	3.08
2,050.0	13.01	139.20	2,027.9	-188.4	158.4	245.7	1.56	-1.27	-3.92
2,100.0	12.71	139.13	2,076.7	-196.7	165.7	256.7	0.60	-0.60	-0.15
2,150.0	13.07	142.89	2,125.4	-205.3	172.7	267.8	1.83	0.73	7.52
2,200.0	13.13	144.23	2,174.1	-214.6	179.4	279.2	0.62	0.12	2.69
2,250.0	12.77	142.66	2,222.9	-223.6	186.1	290.5	1.02	-0.74	-3.15
2,300.0	12.62	143.30	2,271.6	-232.3	192.8	301.4	0.41	-0.29	1.29
2,350.0	12.67	145.88	2,320.4	-241.2	199.1	312.3	1.13	0.11	5.16
2,400.0	12.49	147.84	2,369.2	-250.4	205.1	323.2	0.93	-0.36	3.93
2,450.0	12.18	149.54	2,418.1	-259.5	210.6	333.9	0.96	-0.63	3.40
2,500.0	12.56	148.48	2,466.9	-268.6	216.0	344.5	0.89	0.76	-2.14
2,550.0	13.20	146.59	2,515.7	-278.0	222.0	355.6	1.53	1.27	-3.78
2,600.0	13.78	144.59	2,564.3	-287.7	228.6	367.2	1.49	1.16	-3.99
2,650.0	14.36	142.71	2,612.8	-297.4	235.8	379.4	1.49	1.17	-3.77
2,700.0	14.20	142.11	2,661.2	-307.2	243.4	391.7	0.44	-0.33	-1.19
2,750.0	13.97	141.65	2,709.7	-316.8	250.9	403.9	0.51	-0.46	-0.92
2,800.0	13.23	143.01	2,758.3	-326.1	258.1	415.7	1.61	-1.48	2.71
2,850.0	12.64	144.35	2,807.1	-335.1	264.7	426.8	1.32	-1.17	2.69
2,900.0	12.96	144.73	2,855.8	-344.1	271.1	437.9	0.65	0.63	0.75
2,950.0	13.25	144.82	2,904.5	-353.4	277.6	449.2	0.58	0.58	0.19
3,000.0	13.45	144.10	2,953.2	-362.8	284.3	460.8	0.53	0.41	-1.45
3,050.0	13.83	142.97	3,001.8	-372.2	291.3	472.5	0.92	0.75	-2.25
3,100.0	14.61	141.01	3,050.2	-381.9	298.9	484.8	1.83	1.56	-3.91
3,150.0	15.06	140.32	3,098.6	-391.8	307.1	497.7	0.96	0.90	-1.39
3,200.0	14.95	141.44	3,146.8	-401.9	315.3	510.6	0.62	-0.21	2.23
3,250.0	14.69	141.92	3,195.2	-412.0	323.2	523.4	0.58	-0.52	0.98
3,300.0	14.27	141.77	3,243.6	-421.8	330.9	535.9	0.85	-0.84	-0.32



Company: NEWFIELD EXPLORATION  
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 Survey Calculation Method: Minimum Curvature  
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## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,350.0	13.82	141.25	3,292.1	-431.3	338.4	548.0	0.94	-0.90	-1.03
3,400.0	13.35	140.46	3,340.7	-440.4	345.9	559.8	1.01	-0.94	-1.58
3,450.0	13.73	141.73	3,389.3	-449.4	353.2	571.3	0.96	0.76	2.53
3,500.0	14.52	143.78	3,437.8	-459.1	360.6	583.5	1.88	1.59	4.10
3,550.0	14.19	143.03	3,486.2	-469.2	368.0	596.0	0.77	-0.67	-1.50
3,600.0	13.54	141.40	3,534.8	-478.7	375.3	608.0	1.51	-1.30	-3.25
3,650.0	13.06	141.54	3,583.4	-487.6	382.5	619.5	0.96	-0.96	0.27
3,700.0	12.62	141.84	3,632.2	-496.3	389.4	630.6	0.90	-0.89	0.62
3,750.0	13.40	143.94	3,680.9	-505.3	396.1	641.9	1.83	1.57	4.20
3,800.0	14.05	145.37	3,729.5	-515.1	403.0	653.8	1.47	1.31	2.85
3,850.0	13.68	143.38	3,778.0	-524.8	410.0	665.8	1.22	-0.76	-3.97
3,900.0	13.32	141.74	3,826.6	-534.1	417.1	677.4	1.04	-0.70	-3.28
3,950.0	13.01	141.48	3,875.3	-543.0	424.2	688.8	0.64	-0.63	-0.52
4,000.0	12.80	141.61	3,924.1	-551.7	431.1	699.9	0.43	-0.43	0.25
4,050.0	12.80	142.56	3,972.8	-560.4	437.9	711.0	0.42	0.00	1.91
4,100.0	13.01	143.37	4,021.6	-569.3	444.6	722.1	0.56	0.43	1.62
4,150.0	13.50	143.96	4,070.2	-578.5	451.4	733.6	1.00	0.97	1.18
4,200.0	13.57	145.38	4,118.8	-588.1	458.2	745.4	0.68	0.15	2.83
4,250.0	13.36	147.46	4,167.4	-597.8	464.7	757.0	1.06	-0.42	4.17
4,300.0	13.44	149.40	4,216.1	-607.7	470.7	768.5	0.91	0.16	3.87
4,350.0	13.65	151.21	4,264.7	-617.8	476.5	780.1	0.95	0.42	3.62
4,400.0	13.73	149.75	4,313.3	-628.2	482.3	791.9	0.71	0.16	-2.93
4,450.0	13.79	147.38	4,361.8	-638.3	488.5	803.7	1.13	0.12	-4.73
4,500.0	14.07	145.92	4,410.4	-648.4	495.1	815.7	0.91	0.57	-2.93
4,550.0	14.39	144.63	4,458.8	-658.5	502.1	828.0	0.90	0.64	-2.58
4,600.0	13.94	145.14	4,507.3	-668.5	509.2	840.2	0.94	-0.91	1.04
4,650.0	13.49	145.73	4,555.9	-678.2	515.9	852.1	0.95	-0.91	1.17
4,700.0	13.28	146.20	4,604.5	-687.8	522.4	863.6	0.47	-0.42	0.94
4,750.0	13.10	146.52	4,653.2	-697.3	528.7	875.0	0.38	-0.35	0.64
4,800.0	13.10	145.99	4,701.9	-706.7	535.0	886.3	0.24	0.00	-1.05
4,850.0	12.98	145.75	4,750.6	-716.1	541.3	897.6	0.27	-0.25	-0.47
4,900.0	12.50	146.38	4,799.4	-725.3	547.5	908.7	0.99	-0.95	1.24
4,950.0	12.20	146.52	4,848.2	-734.1	553.3	919.3	0.61	-0.61	0.28
5,000.0	12.20	145.73	4,897.1	-742.9	559.2	929.8	0.33	0.00	-1.58
5,050.0	12.25	145.15	4,946.0	-751.6	565.2	940.4	0.26	0.10	-1.15
5,100.0	12.35	144.84	4,994.8	-760.3	571.4	951.1	0.25	0.21	-0.63
5,150.0	12.31	145.74	5,043.7	-769.1	577.5	961.8	0.40	-0.09	1.81
5,200.0	12.15	147.64	5,092.5	-778.0	583.3	972.3	0.86	-0.31	3.80
5,250.0	11.92	148.30	5,141.4	-786.8	588.8	982.7	0.53	-0.45	1.31
5,300.0	11.66	148.30	5,190.4	-795.5	594.2	992.9	0.53	-0.53	0.00
5,350.0	11.44	148.98	5,239.4	-804.1	599.4	1,002.9	0.52	-0.44	1.35
5,400.0	11.23	149.87	5,288.4	-812.5	604.4	1,012.7	0.54	-0.41	1.79
5,407.7	11.20	149.97	5,295.9	-813.8	605.1	1,014.1	0.49	-0.42	1.30
Q-7-9-17 TGT									
5,450.0	11.02	150.53	5,337.5	-820.9	609.2	1,022.2	0.49	-0.42	1.32
5,500.0	10.81	151.17	5,386.6	-829.2	613.8	1,031.6	0.49	-0.42	1.28
5,550.0	10.65	151.50	5,435.7	-837.3	618.3	1,040.8	0.35	-0.32	0.66
5,600.0	10.47	151.88	5,484.8	-845.4	622.6	1,049.9	0.37	-0.34	0.76
5,650.0	10.16	152.95	5,534.0	-853.3	626.8	1,058.8	0.74	-0.63	2.14
5,700.0	9.87	153.71	5,583.3	-861.1	630.6	1,067.3	0.65	-0.59	1.51
5,750.0	9.65	152.46	5,632.5	-868.7	634.5	1,075.7	0.60	-0.42	-2.49
5,800.0	9.46	151.75	5,681.8	-876.0	638.4	1,083.9	0.46	-0.39	-1.41
5,850.0	9.30	152.75	5,731.2	-883.2	642.2	1,091.9	0.45	-0.32	1.99
5,900.0	9.07	153.17	5,780.5	-890.3	645.8	1,099.8	0.48	-0.47	0.85





**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 7 E  
**Well:** BELUGA Q-7-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well BELUGA Q-7-9-17  
**TVD Reference:** Q-7-9-17 @ 5392.0ft (PATTERSON 52 KB)  
**MD Reference:** Q-7-9-17 @ 5392.0ft (PATTERSON 52 KB)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,950.0	8.70	152.49	5,829.9	-897.2	649.3	1,107.4	0.77	-0.74	-1.36
6,000.0	8.27	151.04	5,879.4	-903.7	652.8	1,114.7	0.96	-0.86	-2.91
6,050.0	8.20	150.70	5,928.9	-909.9	656.3	1,121.8	0.17	-0.14	-0.67

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

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H      HEADER INFORMATION -----
H      COMPANY:      NEWFIELD  EXPLORATION
H      FIELD   :      USGS      Myton    SW      (UT)
H      SITE    :      SECTION      7 E
H      WELL    :      BELUGA    Q-7-9-17
H      WELLPAT Wellbore      #1
H      DEPTHUN ft
H      SURVDAT      8/8/2008
H      DECLINAT CORR.
H      =      10.75 TO      GRIDH-----
H      WELL      INFORMATION
H      WELL      EW      MAP      :      2044778
H      WELL      NS      MAP      :      7187977
H      DATUM      ELEVN      :      5392
H      VSECT      ANGLE      :      143.43
H      VSECT      NORTH      :      0
H      VSECT      EAST      :      0
H-----
H      SURVEY TYPE      INFORMATION
H      264 -      6057 SURVEY #1      :      MWD
H-----
H      SURVEY LIST
MD      INC      AZI      TVD      NSD      EW      VS      DLS
0      0      0      0      0      0      0      0
264      0.2      229      264      -0.3      -0.35      0.04      0.08
291      0.3      266.9      291      -0.34      -0.45      0      0.7
325      0.3      267.1      325      -0.35      -0.63      -0.1      0
356      0.4      262.2      356      -0.37      -0.82      -0.2      0.34
387      0.8      210.5      387      -0.57      -1.04      -0.16      2.05
418      1      160.1      417.99      -1.01      -1.05      0.18      2.54
448      1.5      139.8      447.99      -1.55      -0.71      0.82      2.2
479      1.7      144.1      478.97      -2.24      -0.18      1.69      0.75
509      1.6      142.2      508.96      -2.93      0.34      2.55      0.38
540      2.1      134      539.95      -3.66      1.01      3.54      1.82
571      2.6      135.9      570.92      -4.56      1.91      4.8      1.63
601      3.1      132.8      600.88      -5.6      2.98      6.27      1.74
632      3.8      136      631.83      -6.91      4.31      8.12      2.34
663      4.4      135.5      662.75      -8.5      5.85      10.31      1.94
693      4.9      133.7      692.65      -10.2      7.59      12.72      1.74
724      5.1      131.7      723.53      -12.04      9.57      15.37      0.86
755      5.5      135.4      754.4      -14.01      11.64      18.19      1.7
786      6      134.2      785.24      -16.2      13.85      21.26      1.66
816      6.3      133.1      815.07      -18.42      16.17      24.43      1.07
847      6.6      134.4      845.87      -20.82      18.69      27.86      1.08
878      7.2      136.3      876.65      -23.47      21.3      31.55      2.07
910      7.3      136.9      908.39      -26.41      24.08      35.56      0.39
973      7.3      145      970.88      -32.61      29.11      43.53      1.63
1005      7.4      142.3      1002.62      -35.91      31.54      47.63      1.12
1037      7.6      140.2      1034.35      -39.16      34.15      51.8      1.06

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1068	7.7	136.4	1065.07	-42.24	36.9	55.91	1.66
1100	8	136.8	1096.77	-45.42	39.9	60.25	0.95
1131	8	135.7	1127.47	-48.53	42.88	64.53	0.49
1163	8.2	135.1	1159.15	-51.74	46.05	68.99	0.68
1195	8.5	136	1190.81	-55.06	49.3	73.6	1.02
1227	9.4	138	1222.42	-58.7	52.69	78.54	2.98
1259	9.6	143.7	1253.98	-62.8	56.02	83.81	3
1290	9.5	139.9	1284.55	-66.84	59.2	88.95	2.06
1322	9.6	139	1316.11	-70.87	62.65	94.25	0.56
1353	9.8	141.3	1346.67	-74.88	66	99.46	1.41
1385	10.3	141.9	1378.18	-79.26	69.46	105.04	1.6
1417	10.5	143.4	1409.65	-83.85	72.97	110.82	1.05
1448	10.6	143.6	1440.13	-88.41	76.34	116.49	0.34
1480	11.1	141.5	1471.55	-93.19	80.01	122.52	1.99
1512	10.9	141.2	1502.97	-97.96	83.82	128.62	0.65
1543	10.5	143.6	1533.43	-102.52	87.33	134.37	1.93
1575	11.3	144.6	1564.85	-107.42	90.88	140.42	2.57
1606	11.9	142.5	1595.22	-112.43	94.59	146.65	2.37
1638	11.7	142.1	1626.54	-117.61	98.59	153.2	0.68
1670	11.7	142.2	1657.87	-122.73	102.57	159.68	0.06
1702	12.4	140.9	1689.17	-127.96	106.72	166.36	2.35
1734	12.5	140.5	1720.42	-133.3	111.09	173.25	0.41
1766	12.4	140.3	1751.66	-138.62	115.49	180.14	0.34
1797	13	140	1781.91	-143.85	119.86	186.94	1.95
1893	13.6	136.6	1875.33	-160.32	134.55	208.93	1.03
1988	13.8	141.6	1967.63	-177.32	149.27	231.35	1.26
2083	12.6	137.8	2060.12	-193.88	163.27	252.98	1.56
2178	13.3	144.9	2152.71	-210.49	176.51	274.22	1.83
2273	12.6	141.9	2245.3	-227.59	189.19	295.5	1.02
2368	12.7	146.8	2337.99	-244.48	201.3	316.29	1.13
2463	12.1	150	2430.78	-261.84	212	336.6	0.96
2558	13.3	146.3	2523.45	-279.56	223.04	357.41	1.53
2653	14.4	142.6	2615.69	-298.03	236.28	380.13	1.49
2748	14	141.6	2707.79	-316.42	250.59	403.43	0.49
2843	12.6	144.3	2800.24	-333.84	263.77	425.28	1.61
2938	13.2	145	2892.84	-351.14	276.04	446.48	0.65
3035	13.6	143.6	2987.2	-369.4	289.16	468.96	0.53
3131	15.1	139.9	3080.2	-388.05	303.92	492.73	1.83
3225	14.9	142	3171	-406.94	319.24	517.03	0.62
3320	14.1	141.7	3262.98	-425.64	333.93	540.81	0.85
3416	13.2	140.2	3356.26	-443.24	348.2	563.44	1.01
3511	14.7	144.2	3448.46	-461.35	362.19	586.32	1.88
3603	13.5	141.3	3537.69	-479.2	375.74	608.73	1.51
3699	12.6	141.8	3631.21	-496.17	389.22	630.39	0.94
3794	14.1	145.6	3723.64	-513.87	402.16	652.31	1.83
3888	13.4	141.8	3814.95	-531.87	415.37	674.64	1.22
3984	12.8	141.3	3908.45	-548.91	428.9	696.39	0.64
4078	12.8	143.1	4000.11	-565.37	441.66	717.21	0.42
4171	13.7	144.2	4090.64	-582.54	454.29	738.52	1

4265	13.3	148.1	4182.04	-600.75	466.51	760.43	1.06
4361	13.7	151.6	4275.39	-620.12	477.76	782.69	0.95
4456	13.8	147.1	4367.67	-639.53	489.26	805.13	1.13
4551	14.4	144.6	4459.81	-658.67	502.26	828.25	0.9
4647	13.5	145.7	4552.98	-677.66	515.49	851.38	0.98
4742	13.1	146.6	4645.43	-695.81	527.66	873.21	0.47
4837	13.1	145.6	4737.96	-713.68	539.67	894.72	0.24
4932	12.2	146.8	4830.65	-730.96	551.25	915.5	0.99
5027	12.2	145.3	4923.5	-747.62	562.46	935.55	0.33
5122	12.4	144.7	5016.32	-764.19	574.07	955.78	0.25
5217	12.1	148.3	5109.16	-780.99	585.2	975.9	0.86
5311	11.6	148.3	5201.16	-797.41	595.34	995.13	0.53
5407	11.2	150	5295.26	-813.7	605.07	1014.01	0.54
5502	10.8	151.2	5388.52	-829.49	613.98	1032	0.49
5596	10.5	151.8	5480.9	-844.75	622.27	1049.2	0.34
5692	9.9	153.9	5575.38	-859.87	630.03	1065.97	0.74
5787	9.5	151.5	5669.02	-874.1	637.36	1081.76	0.6
5882	9.2	153.4	5762.76	-887.78	644.51	1097	0.45
5977	8.5	152.1	5856.63	-900.77	651.19	1111.42	0.77
6007	8.2	150.7	5886.31	-904.6	653.28	1115.73	1.21
6057	8.2	150.7	5935.8	-910.82	656.77	1122.81	0

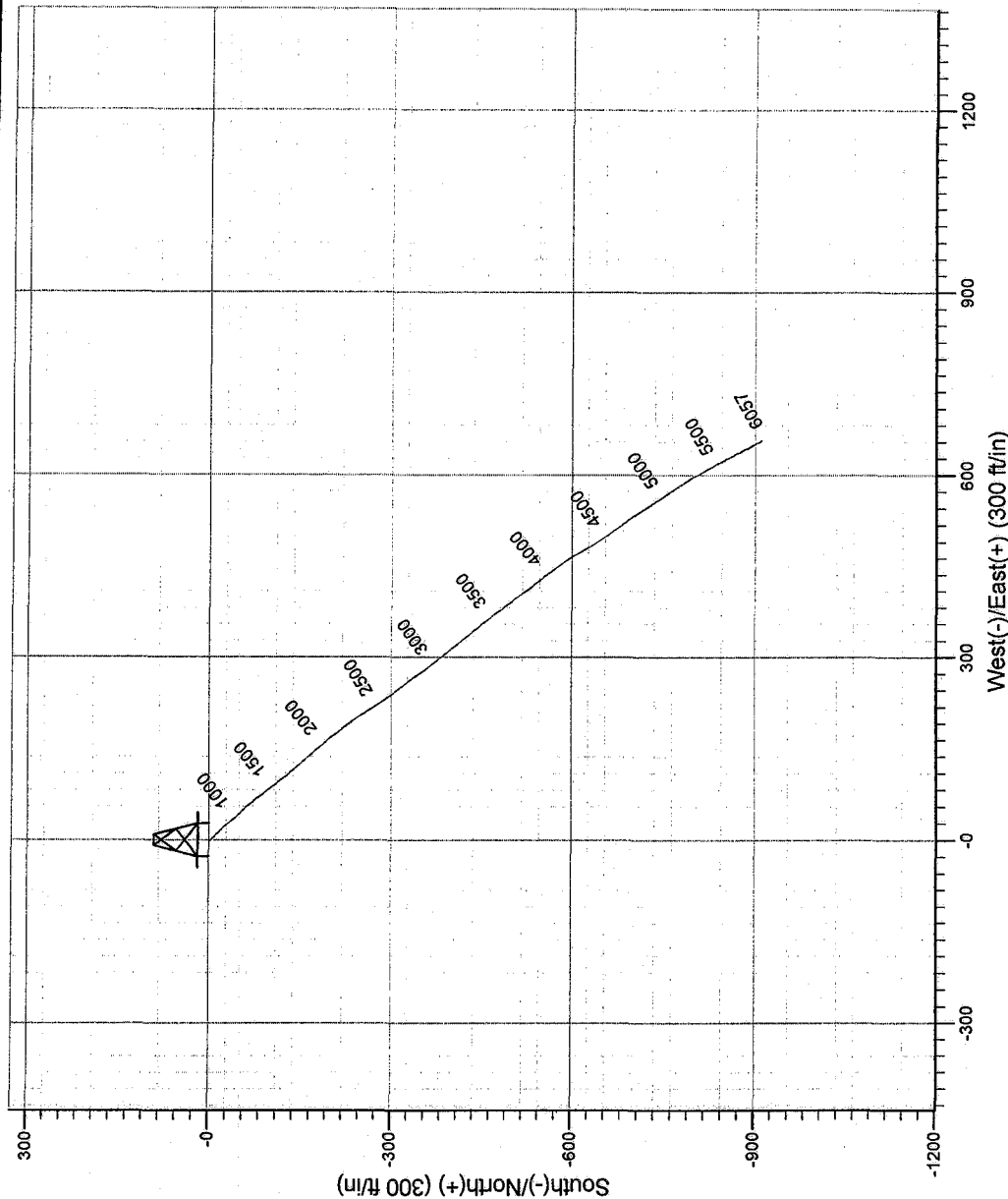
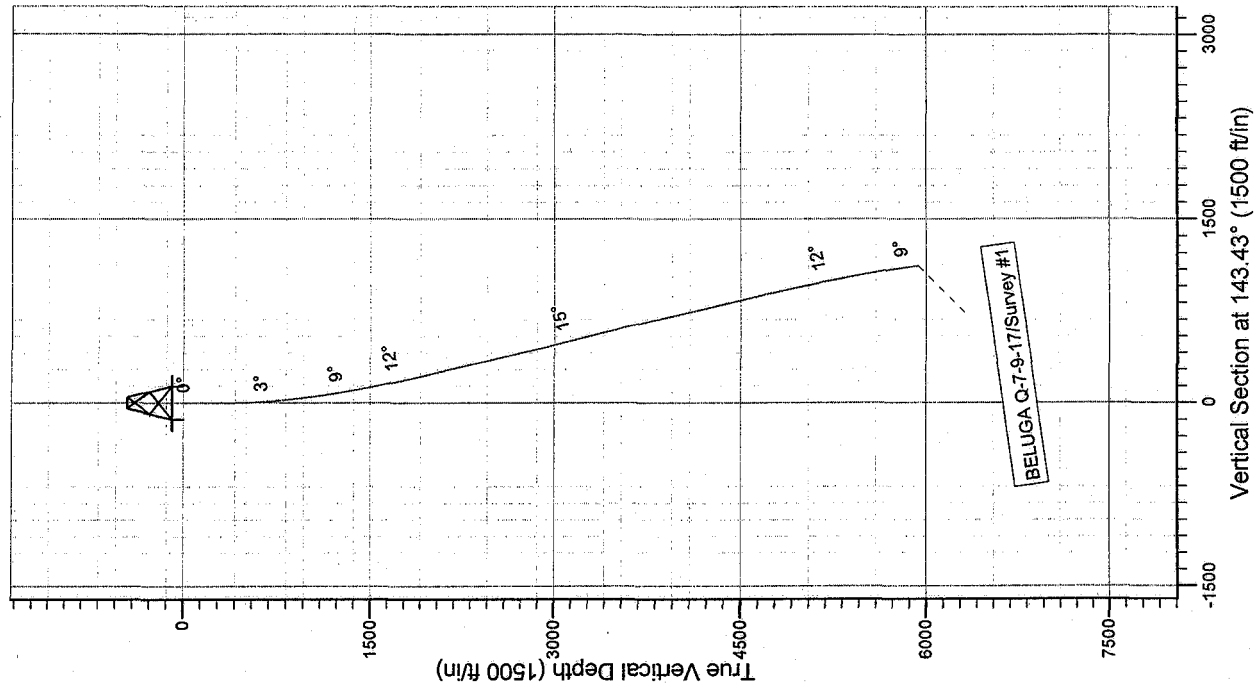
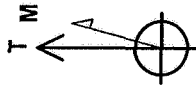
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Project: USGS Myton SW (UT)  
 Site: SECTION 7 E  
 Well: BELUGA Q-7-9-17  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

# FINAL SURVEY REPORT

Azimuths to True North  
 Magnetic North: 11.67°  
 Magnetic Field  
 Strength: 52587.0snT  
 Dip Angle: 65.88°  
 Date: 7/9/2008  
 Model: IGRF200510



**HATHAWAY**

DIRECTIONAL & MWD SERVICES

Survey: Survey #1 (BELUGA Q-7-9-17/Velbore #1)

Created By: *Jim Hudson*

Date: 8:25, August 11 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL  
 FIELD DATA.